REPORT OF RCRA COMPLIANCE INSPECTION

At

SAUER-DANFOSS CORPORATION
2800 E 13th Street
Ames, IA 50010
(515) 239-6539
EPA ID Number: IAD056736184

On

January 6-7, 2009

By

U.S. ENVIRONMENTAL PROTECTION AGENCY
Region VII
Environmental Services Division

1.0 INTRODUCTION

At the request of the Air and Waste Management Division (AWMD), I conducted a RCRA Compliance Evaluation Inspection (CEI) at the Sauer-Danfoss Company facility located in Ames, Iowa, on January 6-7, 2009. This CEI was conducted under the authority of Section 3007(a) of RCRA, as amended. During the CEI, I collected the information and data necessary to determine compliance with the applicable federal regulatory and statutory requirements. This inspection report and attachments present the results of the CEI. The CEI was conducted as a Level B Multimedia Inspection, and the Region 7 Multimedia Screening Checklist is included as attachment 1. Based on information obtained during the course of the inspection, I inspected the facility as a one-time generator from a 2006 disposal of a small amount of hazardous waste. Sauer-Danfoss is presently a non generator of hazardous waste, a small quantity handler of universal waste, and a generator of used oil.

2.0 PARTICIPANTS

Sauer-Danfoss Company (Sauer-Danfoss):
Mr. Gary Erckson, Facilities Administrator
Mr. Tod Strudthoff, Learning Specialist
Ms. Dee Lackore, Occupational Health Nurse
Ms. Traci Schermerhorn, Human Resources Generalist

U.S. Environmental Protection Agency (EPA):
Mr. Glenn Cherry, Civil Investigator, NOWCC/SEE

3.0 INSPECTION PROCEDURE

Prior to entering Sauer-Danfoss, I conducted a visual reconnaissance of the facility grounds, searching for areas of concern observable from the adjacent roadways. I identified no environmental issues or concerns during this preliminary examination. **Photo 1** is the starting photo for my CEI.

I arrived unannounced at the Sauer-Danfoss facility on the afternoon of January 6, 2009, at approximately 1400 hours. I entered a front door, contacted a receptionist, and asked to see Mr. Gerald Edgar, who had previously been identified as the facility contact person. I was informed that Mr. Edgar no longer worked at the Ames facility. I then asked to see the person that had taken over his job. The receptionist stated that the position had not yet been filled, but she contacted the facility nurse, Ms. Dee Lackore. A short time later Ms. Lackore responded to my location. I gave her a business card, identified myself, and informed her that I was at Sauer-Danfoss to conduct an EPA RCRA inspection. I signed in and was given a visitor's badge, then accompanied Ms. Lackore to a conference room where we met Mr. Gary Erickson, Mr. Tod Strudthoff, and Ms. Traci Schermerhorn. I again identified myself, gave each a business card, and explained that I was at Sauer-Danfoss to conduct an EPA RCRA inspection. Mr. Gary Erickson stated that he would serve as the official facility representative during my CEI. Mr. Gary Erickson also informed me that the individuals that had direct responsibility in generating, classifying, managing, and disposing of hazardous waste all worked the early shift and had gone home at 1400 hours. However, Mr. Erickson stated that he, Mr. Strudthoff, Ms. Lackore, and Ms. Schermerhorn would provide whatever assistance that they could while I conducted my CEI.

I presented Mr. Gary Erickson, Mr. Strudthoff, Ms. Lackore, and Ms. Schermerhorn with my EPA credentials, which they reviewed and returned. I then explained in detail the purpose of my inspection, and the procedures that I would follow. I presented Mr. Gary Erickson with a copy of RCRA Section 3007(a), which provides the authority for conducting RCRA inspections. I also presented Mr. Gary Erickson with a copy of Title 18 U.S. Code, Sections 1001 and 1002, which provide penalties for providing false and/or misleading information to Federal representatives, and for the possession and use of fraudulent documents. Mr. Gary Erickson reviewed and retained both of these documents for Sauer-Danfoss's records. I followed this with an explanation to Mr. Gary Erickson of how important it was for me to collect truthful and accurate information, and that he should inform me if he was not certain of the information that he was providing, or if he was unable to answer a question. I next explained the EPA policy regarding the collection of confidential business information (CBI) to Mr. Gary Erickson. I stated that Sauer-Danfoss could claim any information or documentation as confidential during or after the completion of the inspection. I explained that, at the conclusion of the inspection, Sauer-Danfoss would be provided with a copy of the EPA Confidentiality Notice, with which a CBI claim could be made for any or all of the information and documentation collected during the inspection.

I conducted the initial interview with Mr. Gary Erickson, Mr. Strudthoff, Ms. Lackore, and Ms. Schermerhorn on January 6. I also conducted a visual inspection with Mr. Strudthoff and Ms. Lackore on January 6. I returned to Sauer-Danfoss at 0900 on January 7 and met with Mr. Gary Erickson, Mr. Strudthoff, Ms. Lackore, Ms. Schermerhorn, Mr. Tim Erickson, and Mr. Charlie Dvorak. There were other Sauer-Danfoss employees in the conference room, but I have only included the names of those that provided significant additional information.

Mr. Dan Stoehr of Fehr-Graham Associates, and Mr. Ken Foltz of Sauer-Danfoss joined us on the phone. Mr. Foltz is the Sauer-Danfoss North American safety and environmental team leader and Fehr-Graham is the environmental consulting firm for Sauer-Danfoss. At the conclusion of the CEI, I summarized and reviewed my findings and recommendations with Mr. Gary Erickson. Next, I provided Mr. Gary Erickson with a Confidentiality Notice, which he signed indicating that no claim of confidentiality was being made by Sauer-Danfoss (attachment 2). Mr. Gary Erickson also signed a Receipt for Documents and Samples as acknowledgment of the copies of documents that Sauer-Danfoss had provided to be included in my inspection report (attachment 3). I then provided Mr. Gary Erickson with a Notice of Preliminary Findings (NOPF) which he signed as acknowledgment of receipt (attachment 4). I encouraged Mr. Gary Erickson to respond to me in writing within 14 calendar days regarding the issue listed on the NOPF, and to inform me how Sauer-Danfoss intended to address the issues if he agreed that they were RCRA violations. My comments and observations are contained on the RCRA checklists (attachment 5).

The following inspection documents and compliance assistance handouts were left with Mr. Gary Erickson:

Notification of Regulated Activity
Publications for Small Businesses
Compliance Assistance Centers
Managing Your Hazardous Waste
Transportation System Security & Safety
Security Awareness
U.S. EPA Small Business Resources
The Iowa Business Assistance Team
Iowa Waste Reduction Center
Managing Used Oil
Does Your Facility Generate Automotive Wastes?
Confidentiality Notice (completed original Copy)
Receipt for Documents (completed original copy)
Notice of Preliminary Findings (completed original copy)

4.0 FACILITY DESCRIPTION

Sauer-Danfoss is in a building constructed of pre-cast concrete. The building is one-story in most areas, but two stories in others. The entire building contains approximately

336,000 square feet of floor space. Approximately 280,000 square feet is manufacturing and warehouse area, and the remaining 56,000 square feet is administrative area. The facility is located near the eastern edge of Ames (see area map, attachment 7).

4.1 Facility Operations

Sauer-Danfoss manufactures flow control cartridge valves to regulate the fluid flow that controls specific equipment operations. Sauer-Danfoss refers to these as hydrostatic units. Sauer-Danfoss has approximately 1,100 employees working three shifts, five days per week. Sauer-Danfoss fabricates the units, cleans them in an aqueous parts washer line, and paints them in robotic paint booths.

4.2 RCRA Status

Sauer-Danfoss has been at this location since approximately 1972. Sauer-Danfoss notified as a Conditionally Exempt Small Quantity Generator (CESQG) generating less than 100 kg of hazardous waste per month, (see RCRA Site Detail Report, attachment 8). During my CEI, I determined that Sauer-Danfoss was a one-time generator, generating 35 pounds of hazardous waste that was received as product from the Minnesota plant. Ames Sauer-Danfoss declared this material to be a waste, then made a waste determination that it was hazardous waste. Ames Sauer-Danfoss disposed of this hazardous waste on April 9, 2006. Sauer-Danfoss is a small quantity handler of universal waste lamps, and is a generator of used hydraulic oil that is recycled and returned to the facility as product.

5.0 FINDINGS AND OBSERVATIONS

5.1 Scrap Metal

Mr. Tod Strudthoff stated that Sauer-Danfoss generates scrap metal through metalworking machines that trim and machine the units prior to assembly. Sauer-Danfoss classifies the scrap metal as non hazardous waste. During my CEI, I observed that the metalworking machines discharge the metal turnings directly into collection containers. One of the collection containers is shown in **photo 2**. When full, the collection containers are taken to a storage area in the southeast corner of the building, **see photo 14**. At the storage area, I observed several large dumpster type containers against the wall. I also observed signs designating the type of metal to be placed in each container. According to Mr. Tim Erickson, Sauer-Danfoss recycles the scrap metal through M. Gervich and Sons, 901 E Nevada St, Marshalltown , IA, (641) 753-3359. Mr. Gary Erickson stated that Sauer-Danfoss generates between 200,000 and 300,000 pounds of scrap metal per month.

5.2 Lubricant/Coolant

Mr. Tim Erickson stated that Sauer Danfoss uses Oemeta Hycut ET 46 water based miscible multipurpose oil and Oemeta Additiv ET stabilization agent as a coolant and as a lubricant for all of the metalworking machines. I reviewed the MSDS forms and did not see any hazardous ingredients listed (attachment 9). During my visual inspection, Mr. Steele stated that all of the metalworking machines are connected to a pipe which circulates the lubricant/coolant to each machine. The lubricant/coolant is then returned to

a filtration room where it flows into a collection pit. The lubricant/coolant is pumped from the pit into the filtration unit which uses paper filter media to screen out scrap metal chips. The lubricant/coolant is then recycled back to the metalworking machines. Mr. Tim Erickson stated that lubricant/coolant never becomes a waste and that new lubricant/coolant is added as needed. The paper filters are removed and scrap metal chips are separated from the media for recycling. The filter paper media is cut into smaller segments, then placed into a small dumpster outside the building on the south side. Mr. Tim Erickson stated that the paper filter is classified by Sauer-Danfoss as non hazardous waste and is burned for energy recovery at the Ames Resource Center. Other residue accumulates in the bottom of the pit, but the last time that it was removed was in September of 2006. Mr. Tim Erickson stated that Sauer-Danfoss classifies the pit residue as non hazardous based on product knowledge obtained from the MSDS forms for the water miscible lubricant/coolant, and on process knowledge. The pit residue is disposed of through Safety Kleen (attachment 10).

5.3 Spent Parts Washer Solvent

Sauer-Danfoss has two 30 gallon parts washers supplied with solvent to clean tools and equipment parts. One of those parts washers is shown in **photo 12**. Mr. Tim Erickson stated that Sauer-Danfoss uses Safety Kleen Premium Gold solvent with a flash point of 148^0 F (see MSDS, attachment 11). Mr. Tim Erickson stated that the parts washers are serviced on approximately 4-6 week intervals. Sauer-Danfoss classifies the spent parts washer solvent as non hazardous waste based on product knowledge obtained from the MSDS, and on process knowledge. Sauer-Danfoss recycles the spent parts washer waste through Safety Kleen.

5.4 Used Oil

Mr. Tim Erickson stated that Sauer-Danfoss generates approximately 1,500 gallons of used hydraulic oil each month from servicing and repairing equipment. Mr. Tim Erickson stated that the used hydraulic oil is picked up by Rock Valley Oil & Chemical and taken to their Rockford, Illinois facility (see manifests, attachment 12). The used hydraulic oil is recycled by Rock Valley, tested to ensure that it is adequate to use as lubricant, and returned to Sauer-Danfoss as recycled product (see attachment 13).

During my CEI, I observed a vacuum sucker mounted on wheels in the oil storage room, **see photo 7**. Mr. Kevin Steel, a member of maintenance service and support (MSS), stated that the vacuum sucker is wheeled to manufacturing area and the used oil is vacuumed from the machine being serviced. The vacuum sucker is then wheeled back to the oil storage room and the used oil is pumped into a tank with a capacity of approximately 1,000 gallons, **see photo 8**. During my CEI, I observed that the used oil storage tank was in good condition with no apparent leaks. The used oil storage tank was labeled as used oil, **see photo 9**. The label also indicated that the used oil storage tank was approximately one-half full.

5.5 Aqueous Parts Washer Waste

Sauer-Danfoss has two aqueous parts washer lines that generates approximately 9,000 to 12,000 gallons of waste per day from cleaning hydrostatic units prior to painting. The

parts washing system for the older paint line uses an alkaline detergent, Parco Cleaner 413, to clean the hydrostatic units, Bonderite 1070 is used as a phosphate coating, and Parcolene 99X is used as the final non chrome seal (see MSDS forms, attachment 14). For the newer paint line aqueous parts washer system, Sauer-Danfoss uses Parco Cleaner ZX-6 alkaline detergent to clean the parts and Bonderite NT-1 as a phosphate coating (see MSDS forms, attachment 15). The aqueous parts washer waste is processed through an on-site wastewater treatment system.

5.6 Wastewater

The Sauer-Danfoss wastewater treatment system processes the aqueous parts washer waste before it is released into the sanitary sewer system which feeds into the Ames publicly owned treatment works (POTW). The wastewater is first pumped into one of three 3,000 gallon batch tanks, then into an 8,000 gallon ultra filtration (settling) tank, **see photo 5**. The wastewater is routed to the POTW while the sludge is sent to an evaporator feed tank, then into an evaporator. The residue from the evaporator is pumped into a 10,000 gallon storage tank that is labeled as used oil, **see photo 6**. According to Mr. Steele, Sauer-Danfoss classifies this residue as oily water and disposes of it through Safety Kleen where the used oil is separated from the water, blended, and burned for energy recovery (attachment 16). Mr. Steel stated that the pH level for the wastewater is checked every two hours (attachment 17). Mr. Tim Erickson stated that the wastewater is sampled and tested weekly (attachment 18).

5.7 Paint Waste

Mr. Tod Strudthoff stated that Sauer-Danfoss has two robotic paint lines, **see photos 10 and 11**. Both of these paint lines use only water-based acrylic paint. The most common paint used is Plascron Semigloss Black (see MSDS, attachment 19). Sauer-Danfoss generates about one 55-gallon drum of paint waste per year by purging the paint lines with small amounts of water. The paint waste and water is sprayed directly into the 55-gallon collection container. Sauer-Danfoss classifies this paint waste as non hazardous based on MSDS information and process knowledge. The paint waste is disposed of through Safety Kleen (attachment 20). The last paint waste was disposed of by Sauer-Danfoss on September 1, 2006. The tips are removed from the spray paint guns and are cleaned in a small plastic container with Break Through cleaner, **see left side of photo 10** (see MSDS, attachment 21). Sauer-Danfoss has made a waste determination that the cleanup waste is non hazardous based on product and process knowledge. Approximately once every three-four months, the small container and paint residue is disposed of as non hazardous waste in the general trash.

5.8 Spent Paint Booth Filters

Mr. Tim Erickson stated that Sauer-Danfoss generates approximately 100 paint spent booth filters per month. Mr. Tim Erickson stated that the paint booth filters are only contaminated with overspray from the painting operation. Sauer-Danfoss has classified the spent paint booth filters as non hazardous waste based on product knowledge obtained from the MSDS forms, and from process knowledge. He further stated that the spent paint booth filters are placed in a dumpster and disposed of as general trash at a local sanitary landfill.

5.1.9 Spent Universal Waste Lamps

Sauer-Danfoss generates spent universal waste lamps by changing the fluorescent lamps when they burn out. Mr. Tim Erickson stated that Sauer Danfoss generated approximately 400 spent fluorescent lamps per month. He further stated that the spent fluorescent lamps are recycled through Atec Recycling.

During my visual inspection, I observed a number of lamps stored in round cardboard cartons of varying lengths in a storage area near the southeast corner of the building. I observed five cartons, but two of them were empty. The three containers holding spent universal waste lamps were labeled and dated. One was dated 8/8/08, and two were dated 11/4/08. All three universal waste storage cartons were open in a manner that failed to protect the spent lamps from breakage, **see photos 3 and 4. This is a violation of 40 CFR 273.14(d)(1) for failure to store universal waste lamps in a closed container and is listed as #1 on the NOPF.**

5.1.10 Miscellaneous Waste

Mr. Tim Erickson stated that Sauer-Danfoss had received 13 pounds of D001 paint related adhesives, 10 pounds of pentane, 7 pounds of hydraulic oil dyes, and 7 pounds of corrosive liquid from the Minnesota facility as product. However, the Ames facility has never used those types of product and they declared them to be a waste and made a waste determination that they were a hazardous waste. This miscellaneous hazardous waste was disposed of on 4/9/06, (attachment 22).

5.11 General Trash

The Sauer-Danfoss general trash, consisting of office waste, food waste, and packing waste, is picked up by a contractor and taken to the Ames Resource Recovery Plant attachment 23. The Resource Recovery plant separates the garbage and shreds it. The burnable portion becomes refuse derived fuel which is piped to the City's power plant. The remainder is taken to a local sanitary landfill.

6.0 SUMMARY

At the time of my CEI, the previous environmental manager had transferred to another Sauer-Danfoss facility and his position had not yet been filled. As a result, the Sauer-Danfoss response to my inspection was a team effort although Mr. Gary Erickson served as the official facility representative. The violation for storing universal waste lamps in an open container was corrected prior to the end of my inspection, **see photo 13.**

During my file review, I found that Sauer-Danfoss is part of a groundwater corrective action universe. Sauer-Danfoss has submitted quarterly groundwater monitoring reports since 1996. The last report was dated November 13, 2008.

A diagram of the manufacturing and warehouse area is included with locations of fire extinguishers marked in red (attachment 24) An updated Handler Information Report is included as attachment 25. Attachment 26 is the Photo Custody Report, and Attachment 27 is the Photo Log. **Photo 16** is the site documentation photo and **photo 15** shows the location of the GPS reading. **Photo 17** is the ending photo for my inspection

Glenn Cherry
Civil Investigator

Date: 1-23-09

Attachments:

1. Region 7 Multimedia Screening Checklist (1 2-sided page)
2. Inspection Confidentiality Notice form (1 page)
3. Receipt for Documents form (1 page)
4. NOPF (1 page)
5. RCRA Checklist (11 pages)
6. Satellite Image (1 page)
7. Area Map (1 page)
8. RCRA Site Detail Report (6 pages)
9. Detergent and Phosphate MSDS forms (9 pages)
10. Pit Sludge Manifest (1 page)
11. Safety Kleen Premium Gold MSDS (12 pages)
12. Used Oil Manifests (2 pages)
13. Oil Test Results (2 pages)
14. Detergent and Phosphate MSDS forms (12 pages)
15. Non Chrome Seal MSDS (17 pages)
16. Oily Water Manifest (1 page)
17. pH Log (1 page)
18. Wastewater Test Results (1 page)
19. Paint MSDS (7 pages)
20. Latex Paint Waste Manifest (1 page)
21. Equipment Cleaner MSDS (4 pages)
22. Miscellaneous Hazardous Waste Manifest (5 pages)
23. Resource Recovery Plant Description (1 page)
24. Manufacturing Area Diagram (1 page)
25. Handler Information Report (1 page)
26. Photo Custody Report (1 page)
27. Photo Log (1 page)
28. Photos (17 photos, 17 pages)
29. Digital Photo Contact Sheet (2 pages)

Photo CD

Forward To: EJ ☐ EPCRA / RMP / TSCA ☐ CWA ☒ Wetlands ☐ UIC ☐ PWS ☐ CAA / CFC ☒ RCRA ☐ UST ☐ SPCC ☒

REGION VII MULTIMEDIA SCREENING CHECKLIST

Facility Name: SAUER - DANFOSS
Facility Ownership: SAME
Street: 2800 E 13TH ST
City: AMES State: IA Zip: 50010
Phone: 515 239 6539 Facility Contact: GARY ERICKSON
Number of Employees: ABT 1100 Work Hours/Shifts 3/5 DAYS

Inspector P CHERRY
Primary Media: RCRA
Inspector Phone Ext.: 7155
Date: 1-6-09
SIC/NAICS Code 333996

Facility Subject to OSHA regulations Yes ☒ No ☐

Main facility activity, major process chemical(s) & description: MANUFACTURE FLUID POWER PUMP

(**Check all that apply**): painting/coating (water-based ☒, solvent-based ☐), printing ☐, reacting ☐, formulating ☐, distilling ☐, water treatment ☒, refrigeration ☐, manufacturing ☐, parts washers/degreasing (water-based ☐, halogenated-based ☐, non-halogenated-based ☒), combustion (boiler, furnaces, oxidizers) ☐ plating (chrome ☐, other_____).

ENVIRONMENTAL JUSTICE (Note: Forward to EJ if a concern is identified during your inspection)

1. Is the facility located in an apparent low income area (e.g., with many abandoned and dilapidated properties)? No ☒ (stop) Yes ☐
   If yes, is facility less then 1000 feet from nearest routinely occupied property (house, school, etc.)? No ☐ (stop) Yes ☐ ***Forward to EJ***

EMERGENCY PLANNING & COMMUNITY RIGHT TO KNOW ACT (EPCRA) & TOXIC SUBSTANCE CONTROL ACT (TSCA)

1. Did facility file a Tier II report with fire department, Local & State Emergency Planning Committee? Yes ☒ No ☐ ***Forward to EPCRA***
2. Did facility manufacture, import, or process (formulate, blend, package) >25,000 lbs of a chemical or >100 lbs of a Persistent Bioaccumulative Toxin (lead, mercury, or polycyclic aromatic compounds) at any time over the last 5 years? No ☒ (stop) Yes ☐ ***Forward to EPCRA***
3. Has the facility: ***If any box in question 3 is marked - Forward to EPCRA***
   a. Stored ≥500 lbs of ammonia ☐, ≥100 lbs of chlorine ☐, or ≥10,000 lbs of an industrial chemical ☐, at any time over the last 2 years? ☐
   b. Stored ≥10,000 lbs of pressurized flammable material (propane, methane, butane, pentane, etc.) at any time over the last 2 years? ☐
   c. Used ≥10,000 lbs of ammonia ☐, chlorine ☐, halogenated solvents ☐, solvent-based paints ☐, or solvents ☐, or nitrated compound, over the last calendar year? ☐
   d. Generated ≥ one half pound of metal dusts, fumes, or metal turnings, over the last calendar year? ☒
4. Does the facility have any oil filled electrical equipment No ☐ (stop) Yes ☒ ***Forward to TSCA and ask*** Has facility tested oil filled equipment to determine PCB content; No ☐ Yes ☒ number containing PCBs greater than 50 ppm NONE and percent of all equipment tested _____. Is equipment leaking (including wet or weeping equipment)? No ☒ Yes ☐ – ***Get Photo***

CLEAN WATER ACT (CWA) - National Pollution Discharge Elimination System (NPDES), Industrial Pretreatment, Storm Water, & Wetlands

1. Does the facility discharge any wastewater to storm sewers, surface water, or the land? No ☐ (stop) Yes ☒
   If yes, are all wastewater discharges permitted? Yes ☒ No ☐ ***Forward to CWA***
2. Does the facility have process wastewaters that are discharged to a city POTW (Publicly Owned Treatment Works)? No ☐ (stop) Yes ☒
   If yes, are the discharges permitted by: State? ☐, City? ☒ – If yes, Stop here. No ☐ ***Forward to CWA***
   If yes, does the city have a state or EPA approved pretreatment program? Yes ☒ No or Don't Know ☐ ***Forward to CWA***
3. During rainfall events, can storm water carry pollutants from manufacturing, processing, storage, disposal, shipping and receiving areas, or from construction sites >1 acre, to storm sewers or surface water? No ☐ (stop) Yes ☒
   If yes, does the facility have an NPDES permit for these storm water discharges? Yes ☒ No ☐ ***Forward to CWA***
4. Did you see any wastewater discharges not identified by the facility? No ☒ (stop) Yes ☐ - Identify location, time, appearance of discharge: _____ (***Get Photo***) ***Forward to CWA***
5. Does the facility have any wetland areas (e.g. streams, ponds, or temporarily wet areas)? No ☒ (stop) Yes ☐
   If yes, have any wetland areas been dredged, filled, channelized, dammed, or had gravel removed from them within the last 5 years? No ☐ (stop) Yes ☐ - Identify location and timeframe_____ (***Get Photo***) ***FWD to Wetlands***

SAFE DRINKING WATER ACT (SDWA) - Underground Injection Control (UIC) & Public Water System (PWS)

1. Does facility discharge any liquids to the subsurface (septic systems, disposal wells, cesspools, etc.)? No ☒ (stop) Yes ☐ ***Forward to UIC***
   If yes, do these liquid wastes consist of sanitary wastewater only? Yes ☐ No ☐
2. Does facility provide drinking water to 25 people or more from its own source (private well, pond, etc)? No ☒ (stop) Yes ☐ ***Forward to PWS***
   If yes, does the facility test or monitor its drinking water in order to comply with state regulations? Yes ☐ No ☐

CLEAN AIR ACT (CAA) and CFCs

1. Do you see any dense, non-steam, smoke or dust emissions leaving the facility property? No ☒ Yes ☐ ***Forward to CAA***
   Source_____ (***Get Photo***)
2. Does the facility have any new air pollution emitting equipment that was constructed or installed in the past 5 years? No ☒ (stop) Yes ☐
   If yes, is equipment permitted? Yes ☐ No ☐ ***Forward to CAA*** *Describe:*_____
   _____
3. Does the facility have any cooling units that contain >50 lbs of refrigerant? No ☐ (stop) Yes ☒ ***Forward to CFC***
   If yes, are these units: Self-serviced? ☐ Contract Serviced? ☒ - Service Company: MCI
4. Does the facility have a refrigeration process that contains more than 10,000 lbs of ammonia ? No ☒ (stop) Yes ☐ ***Forward to EPCRA/RMP***
5. Does the facility service motor vehicle air conditioning systems? No ☒ (stop) Yes ☐ ***Forward to CFC***

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) and UNDERGROUND STORAGE TANKS (UST)

1. Does the facility generate more than 30-gallons (220 lbs./100kg) of hazardous waste per month or at any one time? No ☐ (stop) Yes ☐
   If yes, does facility have an EPA Hazardous Waste Identification Number? Yes ☐ (stop) No ☐ ***Forward to RCRA***
2. Is hazardous waste treated ☐ , stored >90-days ☐, burned ☐ , land filled ☐ , put in surface impoundments ☐ or waste piles ☐ ?
   No ☐ (stop) Yes ☐ If yes, is the facility permitted for above described activity? Yes ☐ No ☐ ***Forward to RCRA***
3. Did you see or does the facility have any large quantities of materials **that the facility claims to be non-hazardous waste material** (>10 drums, roll-offs, waste piles, etc. – exclude clean office trash, cardboard, & packaging type wastes)? No ☐ (stop) Yes ☐

Material Claimed To Be Non-Hazardous	How does the facility know these wastes are non-hazardous?
_____	Testing, industry or manuf. info.., MSDS, etc. ☐ ; None available ☐ ***Forward to RCRA***
_____	Testing, industry or manuf. info.., MSDS, etc. ☐ ; None available ☐ ***Forward to RCRA***
_____	Testing, industry or manuf. info.., MSDS, etc. ☐ ; None available ☐ ***Forward to RCRA***
_____	Testing, industry or manuf. info.., MSDS, etc. ☐ ; None available ☐ ***Forward to RCRA***
_____	Testing, industry or manuf. info.., MSDS, etc. ☐ ; None available ☐ ***Forward to RCRA***

4. Did you see any leaking hazardous waste containers, drums, or tanks? No ☐ Yes ☐ ***Forward to RCRA***
   Describe:_____ (***Get Photo***)
5. Did you see any signs of spills or releases (e.g., dead or stressed vegetation, stains, discoloration)? No ☐ Yes ☐ ***Forward to RCRA***
   Describe:_____ (***Get Photo***)
6. Did you see any chemical or waste handling practices that concern you (access to children/public)? No ☐ Yes ☐ ***Forward to RCRA & EPCRA*** Describe:_____ (***Get Photo***)
7. Does the facility have any past or present underground petroleum product or hazardous material tanks? No ☐ Yes ☐ ***Forward to UST***
8. Does the facility have any underground fuel tanks for emergency generators? No ☐ Yes ☐ ***Forward to UST***

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN (SPCC)

1. Does the facility have any aboveground oil tanks (petroleum, synthetic, animal, fish, vegetable), with an aggregate volume >1,320 gallons?
   No ☐ (stop) Yes ☒ - Does the facility have a certified SPCC Plan? Yes ☒ No ☐ ***Forward to SPCC***
   If yes, are there secondary containment systems for the tanks? Yes ☒ No ☐ ***Forward to SPCC***
   If yes, are any tanks leaking where oil could reach waters of the State or U.S.? No ☒ Yes ☐ (***Get Photo***) ***Forward to SPCC***

ENVIRONMENTAL MANAGEMENT SYSTEMS (EMS)

1. Does your facility have an EMS? No ☐ Yes ☒
2. Is the facility's EMS ISO 14001 certified? No ☒ Yes ☐

**** PLEASE TAKE PHOTOS TO DOCUMENT POTENTIAL PROBLEMS***

Version 08.23.05a GRAY SHADED AREAS INDICATE ITEMS **YOU** NEED TO **LOOK** FOR DURING VISUAL INSPECTION

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
CONFIDENTIALITY NOTICE

Facility Name SAUER - DANFOSS CORP.	
Facility Address 2800 E 13TH ST AMES, IA 50010	
Inspector (print) GLENN CHERRY Glenn Cherry	
U.S. EPA, Region VII, 901 N. 5th St., Kansas City, KS 66101	Date 1-7-09

The United States Environmental Protection Agency (EPA) is obligated, under the Freedom of Information Act, to release information collected during inspections to persons who submit requests for that information. The Freedom of Information Act does, however, have provisions that allow EPA to withhold certain confidential business information from public disclosure. To claim protection for information gathered during this inspection you must request that the information be held CONFIDENTIAL and substantiate your claim in writing by demonstrating that the information meets the requirements in 40 CFR 2, Subpart B. The following criteria in Subpart B must be met:

1. Your company has taken measures to protect the confidentiality of the information, and it intends to continue to take such measures.

2. No statute specifically requires disclosure of the information.

3. Disclosure of the information would cause substantial harm to your company's competitive position.

Information that you claim confidential will be held as such pending a determination of applicability by EPA.

I have received this Notice and DO NOT want to make a claim of confidentiality at this time.	
Facility Representative Provided Notice (print) Gary Erickson	Signature/Date Gary Erickson

I have received this Notice and DO want to make a claim of confidentiality.	
Facility Representative Provided Notice (print)	Signature/Date

Information for which confidential treatment is requested:

(Rev: 11/15/99)

ATTACHMENT 2 Page 1 of 1

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
RECEIPT FOR DOCUMENTS AND SAMPLES

Facility Name
SAUER-DANFOSS CORP.
Facility Address
2800 E 13TH ST AMES, IA 50010

Documents Collected? YES ✓ (list below) NO___

Samples Collected? YES___ (list below) NO ✓ Split Samples: YES___ NO___

Documents/Samples were: 1) Received no charge ✓ 2) Borrowed___ 3) Purchased___

Amount Paid: $_____ Method: Cash___ Voucher___ To Be Billed___

The documents and samples described below were collected in connection with the administration and enforcement of the applicable statute under which the information is obtained.

==========

Receipt for the document(s) and/or sample(s) described below is hereby acknowledged:

SAFETY KLEEN SOLVENT MSDS	12 PAGES
MSDS FORMS (10)	49 PAGES
WASTEWATER ANALYSIS	1 PAGE
PH LOG	1 PAGE
USED OIL MANIFESTS/RECYCLING	3 PAGES
OILY WATER TRACKING DOCUMENT	1 PAGE
PIT SLUDGE MANIFEST	1 PAGE
WASTE PAINT MANIFEST	1 PAGE
HAZARDOUS WASTE MANIFEST	5 PAGES

Facility Representative (print)	Signature/Date
Gary Erickson	Gary Erickson 1-7-09
Inspector (print)	**Signature/Date**
GLENN CHERRY	Glenn Cherry 1-7-09
U.S. EPA, Region VII, 901 N. 5th Street, Kansas City, KS 66101	

(rev:1/20/93)

NOTICE OF PRELIMINARY FINDINGS

FACILITY NAME: SAUER-DANFOSS CORP.
ADDRESS: 2800 E 13TH ST
AMES, IA 50010
EPA ID NUMBER: IAD056736184 **DATE:** 1-7-09

NOTICE: I am not an employee of the Environmental Protection Agency ("EPA"). I am a contractor for EPA retained to conduct compliance evaluation inspections. The following is a list of observations/recommendations found during this inspection which will be reported back to EPA. This is not to be construed as a complete list of observations/recommendations. The EPA will be evaluating the report prepared as a result of this inspection and making the determinations as to what violations may have occurred at your facility.

1. FAILED TO STORE UNIVERSAL WASTE LAMPS IN A CLOSED CONTAINER IN VIOLATION OF 273.14(d)(1) 40 CFR
2.
3.
4.
5.
6.
7.

If you have any questions regarding these findings please contact

The undersigned person hereby acknowledges receipt of a copy of this document and has read the same.

PRINTED NAME: Gary Erickson **TITLE:** Facilities Administrator

SIGNATURE: Gary Erickson

This document was prepared by GLENN CHERRY

Page 1 of 1

Glenn Cherry

ATTACHMENT 4 Page 1 of 1

Appendix 1-3

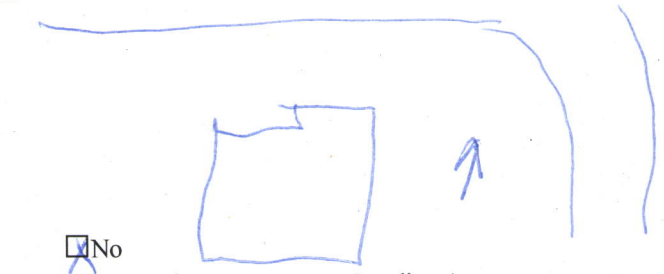
Facility: SAUER - DANFOSS Date: 1-6-09 Arrival time: 1400

DRIVE-BY

1. Drive-by conducted from public right-of-way? ☒Yes ☐No

2. Determine the direction "North" with respect to the facility and provide a brief sketch of the layout and orientation (as can be viewed from the public right-of-way):

SEE SATELLITE IMAGE



3. Obvious concerns visible from public right-of-way (photos)? ☐Yes ☒No

- Containers
- Tanks
- Processing Equipment
- Loading Areas
- Unloading Areas
- Security Devices
- Open Drums
- Stressed Vegetation
- Unusual Staining
- Unusual Odors
- Obvious Discharges
- Improper Disposal
- Safety Concerns
- Other Concerns

Appendix 1-4 SITE ENTRY AND INBRIEFING

1. ☐Used main entrance ☐Entered during normal operating hours ☐Excessive delays (>15 minutes - denial of access?) - ☐No

2. Facility Representative(s): GARY ERICKSON Title: FACILITIES ADMINISTRATOR
TED STRUTHOFF Title: LEARNING SPECIALIST
DEE LACKORE Title: OCCUPATIONAL HEALTH
TRACI SCHERMERHORN HR COORDINATOR

3. Does representative have intimate knowledge of all waste management practices? ☐Yes ☐No

How long in position? 5 YRS IN POSITION
15 YRS FOR COMPANY

4. Introduction:

- ☒Presented credentials
- ☒Explained responsibility to provide accurate information and provided copies of Section 1001 and 1002 U.S.C. to facility
- ☒Verified presence at correct facility (checked address/I.D. #)
- ☒Explained authority to conduct inspection (Section 3007 of RCRA)
- ☒Explained the purpose, scope, and order of the inspection
- ☒Completed Multimedia screening checklist
- ☒Explained documentation process - worksheets, checklists, photos, notes, statements, etc
- ☒Provided SBRFA
- ☐Obtained GPS reading
- ☒Explained facility's right to claim CBI

5. Was full access granted? ☒Yes ☐ By facility representative or Other (name): _____

☐No - Access denied. Name of person denying access: _____

Time of denial: _____

Reason for denial, or limitations placed on access:

Appendix 1-5 FACILITY BACKGROUND WORKSHEET

1. Site History:

Date facility began operating: ABT 1972 Number of employees: ABT 1100

Number of shifts/hour worked: 3 Number of days worked per week: 5

Size (sq. ft., how divided): 336,000 SQ FT

ABT 280,000 MANUFACTURING

Property owner and facility operator the same? ☒Yes ☐No

2. Major products or services provided: MANUFACTURE HYDROSTATIC UNITS

3. Major raw materials used: IRON, HYDRAULIC OIL, PAINT

4. Major manufacturing or processing operations which generate waste streams: (provide brief description)

Operation/Process	Waste Stream(s)

5. Complete a Generator Waste Stream Worksheet and /or Off-Site Waste Stream Worksheet for the waste streams noted above and then finish this form.

6. Verified/compared above information with facility Notification Form: ☒Yes ☐No

7. **GENERATOR STATUS:** (based on records review)

☐Non-generator
☒CE (0-100kg/mo or 1 kg/mo acute waste and accumulate <1000 kg or 1kg acute waste or 100 kg of acute spill residue)
☐SQG (100-1000kg/mo and accumulate<6000kg)
☐LQG (>1000kg/mo)

Is facility's status solidly within above category? ☒Yes ☐No
(If not carefully verify status and document)

8. **TSD STATUS**: ☐Treatment ☐Storage ☐Disposal

Note: Types of units, number of units, capacities, processes, etc:

9. Resolved questions from Pre-Inspection Worksheet? ☐Yes ☐No ☒No Questions

10. Resolved compliance officer's questions from Pre-Inspection Worksheet? ☐Yes ☐No ☒No Questions

. Requested site map or diagram to identify all observations? ☒Yes ☐None Available

Appendix 1-6 GENERATOR WASTE STREAM WORKSHEET

1. **WASTE STREAM:** WASTEWATER

FACILITY DETERMINATION: ☐Hazardous ☒Non-hazardous ☐Not done ☐Inadequate

WASTE CODES: _____

DETERMINATION METHOD: ☒Product knowledge ☒Process knowledge ☐Testing

Documentation: _____

GENERATING PROCESS: WASHING PRODUCT PRIOR TO PAINTING

GENERATION RATE: 9,000 TO 12,000 GAL PER DAY

ON-SITE MANAGEMENT: Satellites ☐Visually inspected Storage ☒Visually inspected

OFF-SITE MANAGEMENT/DISPOSITION: AMES POTW

2. **WASTE STREAM:** SPENT SOLVENT

FACILITY DETERMINATION: ☐Hazardous ☒Non-hazardous ☐Not done ☐Inadequate

WASTE CODES: NONE

DETERMINATION METHOD: ☒Product knowledge ☐Process knowledge ☐Testing

Documentation: MSDS

GENERATING PROCESS: PARTS WASHER

GENERATION RATE: 3 40GAL PARTS WASHERS 4-6 WEEK INTERVAL

ON-SITE MANAGEMENT: Satellites ☐Visually inspected Storage ☐Visually inspected

NO STORAGE- STILL & PRODUCT UNTIL SERVICE

OFF-SITE MANAGEMENT/DISPOSITION: SAFETY KLEEN

3. **WASTE STREAM:** USED OIL

FACILITY DETERMINATION: ☐Hazardous ☒Non-hazardous ☐Not done ☐Inadequate

WASTE CODES: UOR

DETERMINATION METHOD: ☒Product knowledge ☒Process knowledge ☐Testing

Documentation: _____

GENERATING PROCESS: HYDRAULIC OIL

GENERATION RATE: _____

ON-SITE MANAGEMENT: Satellites ☐Visually inspected Storage ☒Visually inspected

RECYCLED & RETURNED BY CLEAN VALLEY

OFF-SITE MANAGEMENT/DISPOSITION: SAFETY KLEEN

WORKSHEET

4. **WASTE STREAM:** FLUORESCENT LAMPS

FACILITY DETERMINATION: ☒Hazardous ☐Non-hazardous ☐Not done ☐Inadequate

WASTE CODES: _____

DETERMINATION METHOD: ☒Product knowledge ☐Process knowledge ☐Testing

Documentation: MSDS

GENERATING PROCESS: REPLACING BURNED OUT LAMPS

GENERATION RATE: 400 PER MONTH

ON-SITE MANAGEMENT: Satellites ☐Visually inspected Storage ☒Visually inspected

OFF-SITE MANAGEMENT/DISPOSITION: A-TEC RECYCLING

5. **WASTE STREAM:** PAINT BOOTH FILTERS

FACILITY DETERMINATION: ☐Hazardous ☒Non-hazardous ☐Not done ☐Inadequate

WASTE CODES: NONE

DETERMINATION METHOD: ☒Product knowledge ☒Process knowledge ☐Testing

Documentation: _____

GENERATING PROCESS: PAINT BOOTH

GENERATION RATE: 100 PER MONTH

ON-SITE MANAGEMENT: Satellites ☐Visually inspected Storage ☒Visually inspected

OFF-SITE MANAGEMENT/DISPOSITION: GENERAL TRASH

6. **WASTE STREAM:** WASTEWATER SLUDGE (OILY WATER)

FACILITY DETERMINATION: ☐Hazardous ☒Non-hazardous ☐Not done ☐Inadequate

WASTE CODES: NONE

DETERMINATION METHOD: ☒Product knowledge ☒Process knowledge ☒Testing

Documentation: TCLP

GENERATING PROCESS: WASTEWATER TREATMENT

GENERATION RATE: 700-800 GAL WK

ON-SITE MANAGEMENT: Satellites ☒Visually inspected Storage ☒Visually inspected

OFF-SITE MANAGEMENT/DISPOSITION: SAFETY KLEEN

Appendix 1-8 RECORDS REVIEW WORKSHEET AND CHECKLIST

A. MANIFESTS

#	√ / x	REGULATORY REQUIREMENTS	MANIFEST #'S AND COMMENTS
1.	√	Facility uses manifest system-262.20(a)(1)	
2.	√	Manifests maintained for 3 years-262.40(a)	
3.	√	Generator EPA I.D. number-262.20(a)	
4.	√	Generator name, address, phone number-262.20(a)	
5.	√	Transporter(s) name & EPA I.D. number-262.20(a)	
6.	√	Designate facility name, address & EPA I.D. number-262.20(a)	
7.		Alternate facility designated (optional)-262.20(c)	
8.	√	Unique pre-printed manifest tracking number and number of pages-262.20(a)	
9.	√	DOT shipping name, hazard class, waste code, & RQ (if required-49 CFR 172)-262.20(a)	
10.	√	Containers: numbers, type, quantity, unit wt/vol.-262.20(a)	
11.	√	Proper certification including waste minimization-262.20(a)	
12.	√	Signed and dated-262.23(a)	
13.		Exception report submitted if necessary-262.42	
14.		Waste reclaimed under contractual agreement (SQG only)-262.20(e)(1)	
15.		Generator maintains copy of contractual agreement for at least 3 years after termination or expiration of the agreement (SQG only)-262.20(e)(2)	
16.	√	LDR notification/certification sent with manifests on 1st shipment-268.7(a)(2)	
17.	√	LDR notification/certification includes: manifest number, correct EPA waste codes & treatment standards, and waste analysis data-268.7(a)(2)	
18.	√	LDR notification/certification/waste analysis data & other documents maintained for 3 years-268.7(a)(8)	
19.		Biennial Reports submitted per 262.41 (LQG only)	

√ - in compliance X – not in compliance N/A – not applicable

20. Approximate number of manifests generated since last inspection, or over past 3 years:_____

21. Approximate number of manifests reviewed:_____

22. Copies of manifests made with regulatory violations? ☐ YES ☐ NO

K. Universal Waste (UW)

1. Universal Waste Generated

Waste:	Fluorescent & HID Lamps	Batteries	Hg-containing equip. and/or thermostats	Pesticides
Qty. Generate/year:	4800			
Qty. Presently in storage:				
Accumulation Time:				
Present Disposal Method:				

2. Person(s) responsible for universal waste management:_____

3. Does the universal waste handler accumulate (collectively) 5,000 kilograms or more at any time (40 CFR 273.9)? **If YES**, a large quantity handler (LQH), go on and also refer to checklist in Appendix 2-2. **If NO**, a small quantity handler (SQH), go on.

Assessing Requirements Common to *Universal Waste SQH & LQH* (40 CFR 273 Subpart B & C, respectively):

#	√ / x	REGULATORY REQUIREMENTS*	COMMENTS
1.		Disposal of UW is not occurring-273.11(a)/273.31(a)	
2.		Diluting or treating universal waste is not occurring, except for responding to releases per 273.17 or by managing specific wastes per 273.13 (waste management)-273.11(b)/273.31(b)	
3.		Has the LQH notified of UW management?-273.32 (a)(1) (not required for SQH)	
4.		Has UW been shipped to another UW handler, a designated facility, or a foreign destination?-273.18(a)/273.38(a) If not, see Appendix 2-2 for off-site shipments	
a.		Does LQH have documentation tracking shipments?-273.39 (not required for SQH-273.19)	
5.		UW package, container, tank, vessel or transport vehicle is marked or labeled-273.14/273.34-as follows:	
a.		"Universal Waste-Battery(ies)," or "Waste Battery(ies)," or "Used Battery(ies)"-273.14(a)/273.34(a)	
b.		For recalled universal waste pesticides; "Universal Waste-Pesticide(s)" or "Waste-Pesticide(s)," and the label that was on or accompanied the product as sold or distributed, or if the label is not available or not feasible to use, the appropriate DOT label as identified in 49 CFR 172-273.14(b)/273.34(b)	
c.		For unused pesticide products as described in 40 CFR 273.3(a)(2): (1) the label that was on the product when purchased, if still legible; (2) if using that label is not feasible, the appropriate label required under DOT regulation 49 CFR Part 172; (3) if using either of the previously described labels is not feasible, another label prescribed or designated by the waste pesticide collection program administered or recognized by a state; **and** (4) the words "Universal Waste-Pesticide(s)" or "Waste-Pesticide(s)"-273.14(c)/273.34(c)	
d.		"Universal Waste-Mercury Containing Equipment," or "Waste Mercury-Containing Equipment," or "Used Mercury-Containing Equipment"-273.14(d)(1)/273.34(d)(1) Thermostats may be labeled: "Universal Waste-Mercury Thermostat(s)," or "Waste Mercury Thermostat(s)," or "Used Mercury Thermostat(s)"-273.14(d)(2)/273.34(d)(2)	
e.	√	"Universal Waste-Lamp(s)," or "Waste Lamp(s)," or "Used Lamp(s)"-273.14(e)/273.34(e)	

6.	✓	Accumulation Time Limits – 273.15/273.35 A UW handler may accumulate universal waste **no longer than a year** from the date of generation or receipt from another handler, unless the requirements of paragraph 273.15(b) are met, as follows:	
a.	/	Storage over one year is solely for the purpose of accumulation of such quantities as necessary to facilitate proper recovery, treatment, or disposal <u>and</u> the handler provides proof of this – 273.15(b)/273.35(b) For further requirements of UW retention time documentation, see Appendix 2-2.	
7.	✓	Employee Training – 273.16/273.36 The UW handler must inform all employees who handle or have responsibility for managing universal waste of the proper handling and emergency procedures appropriate to the type(s) of universal waste handled at the facility.	
8.	/	Response to Releases – 273.17/273.37 – Did you observe any releases or did any releases occur? – if yes, see Appendix 2-2.	
9.	/	Handlers of universal waste that self-transport universal waste off-site become a universal waste transporter for those self-transportation activities and must comply with the transporter requirements of subpart D of this part while transporting the universal waste – 273.18(b)/273.38(b) – and see Appendix 2-2.	

J. USED OIL – RCRA INSPECTION CHECKLIST

1. What Used Oil activities does the facility engage in? GENERATOR

a. Type of used oil generated? HYDRAULIC
b. Amount of used oil generated? _____

40 CFR 279.12 Prohibition Questions

1. Is used oil being managed only in a surface impoundment or waste pile subject to regulation under 40 CFR Parts 264 or 265?
   ☐ Yes ☐ No ☒ Not Applicable (NA)

2. Is used oil being used as a dust suppressant? ☐ Yes ☒ No

3. Is off-specification oil fuel burned for energy recovery in only industrial furnaces, industrial boilers, utility boilers, used oil-fired space heaters, or hazardous waste incinerators identified in 40 CFR Part 279.12 (c)(1-3)? ☐ Yes ☒ No

Subpart C – Standards for Used Oil Generators

(Check here ☐ if this section is NA)

Instructions: *Fill out this section if the facility generates used oil or if facility activities first caused the used oil to become subject to regulation (see definition and applicability of used oil generator in 40 CFR 279.20). Used oil generators are subject to all applicable Spill Prevention, Control and Countermeasures (SPCC) requirements (40 CFR Part 112) and underground storage tank standards (40 CFR Part 280) in addition to the requirements of Subpart C.*

Regulation and Standard		***Violations***
279.21 Hazardous Waste Mixing		
1. Is the generator mixing hazardous waste with used oil?	☐ Yes ☒ No ☐ NA	
If yes, is the generator of a used oil containing greater than 1,000 parts per million (ppm) total halogens managing the used oil as a hazardous waste unless the used oil presumption is rebutted?	☐ Yes ☐ No ☒ NA	
2. Are analytical data available?	☐ Yes ☐ No ☒ NA	
279.22 Used Oil Storage		
1. Does the generator only store used oil in tanks, containers, or units subject to regulation under 40 CFR Parts 264 or 265?	☒ Yes ☐ No ☐ NA	
2. Are containers and aboveground tanks used by a generator to store used oil in good condition, with no visible leaks?	☒ Yes ☐ No ☐ NA	
3. Are containers, aboveground tanks, and fill pipes used for underground tanks labeled or marked "Used Oil"?	☒ Yes ☐ No ☐ NA	
4. Upon detection of a release of used oil, has the generator		
a. Stopped the release?	☐ Yes ☐ No ☒ NA	
b. Contained the release?	☐ Yes ☐ No ☒ NA	
c. Cleaned up and managed the used oil and other materials?	☐ Yes ☐ No ☒ NA	
d. Repaired or replaced the containers or tanks prior to returning them to service, if necessary?	☐ Yes ☐ No ☒ NA	
279.23 Used Oil Storage		
1. Is the generator burning used oil in used oil fired space heaters only when		
a. The heater burns only used oil that the owner or operator generates or used oil received from household do-it-yourself generators?	☐ Yes ☐ No ☒ NA	
b. The heater is designed to have a maximum capacity of not more than 0.5 million British Thermal Units per hour?	☐ Yes ☐ No ☒ NA	
c. The combustion gasses from the heater are vented to ambient air?	☐ Yes ☐ No ☒ NA	

Regulation and Standard		*Violations*
279.24 Off-Site Shipment		
1. Has the generator ensured that the used oil is hauled only by a transporter that has obtained a U.S. Environmental Protection Agency (EPA) identification (ID) number?	☒ Yes ☐ No ☐ NA	
2. Does the generator have a tolling arrangement with a transporter without an EPA ID number?	☐ Yes ☐ No ☒ NA	
If yes, answer the three following questions. If no, move to question 6.		
3. Is the used oil reclaimed and returned by the processor or re-refiner to the generator for use as a lubricant, cutting oil, or coolant?	☐ Yes ☐ No ☐ NA	
4. Does the tolling contract indicate the type of used oil and the frequency of shipment?	☐ Yes ☐ No ☐ NA	
5. Is the vehicle used to transport the used oil to the processing or re-refining facility and to deliver recycled used oil back to the generator owned and operated by the used oil processor or re-refiner?	☐ Yes ☐ No ☐ NA	
6. Does the generator transport used oil generated at the generator's site or used oil collected from household do-it-yourselfers to a used oil collection center or to aggregation points owned by the generator?	☐ Yes ☐ No ☐ NA	

Regulation and Standard		*Violations*
7. Does the generator transport used oil in a vehicle owned by the generator or an employee of the generator?	☐ Yes ☐ No ☒ NA	
8. Does the generator transport no more than 55 gallons of used oil at any time?	☐ Yes ☐ No ☒ NA	
9. Does the generator transport the used oil to a used oil collection center that is registered, licensed, permitted, or recognized by a state/county/municipal government to manage used oil?	☐ Yes ☐ No ☒ NA	

For further Used Oil questions refer to Appendix 2-4:

Subpart D – Standards for Used Oil Collection Centers and Aggregation Points
Subpart E – Standards for Used Oil Transporters and Transfer Centers
Subpart F – Standards for Used Oil Processors and Re-Refiners
Subpart G – Standards for Used Oil Burners Who Burn Off-Specification Used Oil for Energy Recovery
Subpart H – Standards for Used Oil Fuel Marketers

Appendix 1-10

EXIT BRIEFING

1. Reviewed all data collected and documented all concerns or violations? ☒ Yes ☐ No
   - Location of the violation, type and amount of waste involved, time frame, frequency, specific dates & when first started occurring.
   - Illegal units-unit location (diagram/picture), dimensions, conditions, construction material, gradient of the base (for spills), other information.
   - Illegal disposal-how, when (each occurrence), where sent or disposed of, how shipped, who shipped, when shipped/disposed of, quantity.

☐ Identified/verified violations from previous inspection were corrected (if applicable) N/A
☐ Addressed all unresolved inspection related issues N/A
☒ Summarized findings and observations for the facility representatives

NOPF issued? ☒ Yes ☐ No ☒ Violations clearly identified and explained, including: circumstances, location, and applicable regulations

☒ Explained the importance of a timely (14 day) and adequate response
☒ Explained that findings and observations are based on your current knowledge of RCRA and that the final findings may differ
☒ Explained that compliance officer will make final compliance decisions and that all compliance questions should be directed toward them
☒ Explained that recommendations provided are for informational purposes only and DO NOT require specific actions by the facility
☒ Provided facility with CBI form
☒ Prepared Document Receipt form

3. Specific information requested from facility? ☐ Yes ☒ No

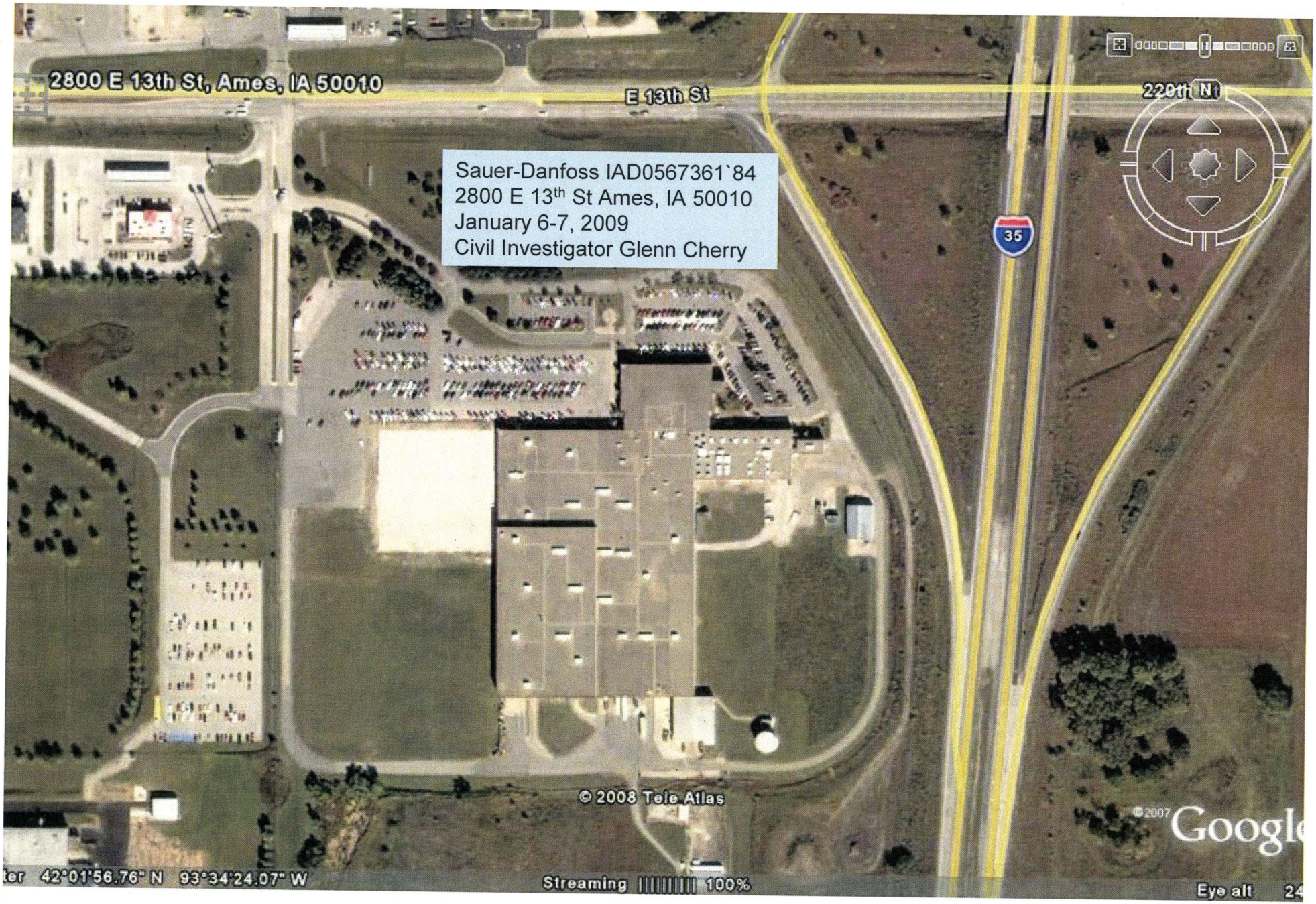
4. Facility appears to have awareness of RCRA regulations? ☒ Yes ☐ No

5. Facility has its own environmental staff? ☒ Yes ☐ No

6. Facility has copy of applicable regulations? ☒ Yes ☐ No INTERNET

7. Attitude and demeanor of facility representative(s); ☒ OK ☐ Not OK_____

8. Notes/Observations:_____



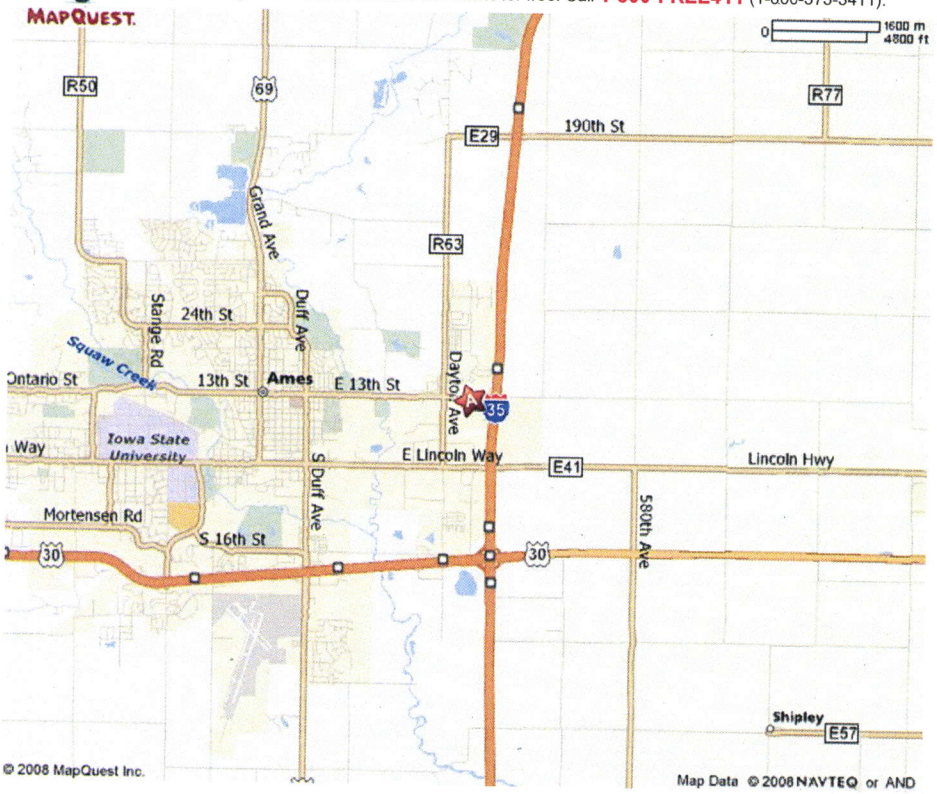
ATTACHMENT 6 Page 1 of 1

MAPQUEST

Sauer-Danfoss

A: 2800 E 13th St, Ames, IA 50010-8600

Need help on the go? Get Voice Activated Directions for free. Call **1-800-FREE411** (1-800-373-3411).



RCRA Site Detail

Report run on: December 30, 2008 - 9:44 AM

IAD056736184 SAUER-DANFOSS CORP

EPA Region: 07 **Extract Flag:** Y **Facility Identifier:** **County:** STORY

Universes

Generator: CEG Transporter: N Active: Y
Operating TSDF: ----- IC In Place: N EI Indicator (HE / GW): + / -

Activity Location: IA **Source Type: Implementer** **Seq. Number: 2** **Receive Date: 18 SEP 2008**

Other/Previous Site Name: SAUER-DANFOSS CORP

Location Address: 2800 E 13TH ST
AMES, IA 50010

Mailing Address: 2800 E 13TH ST
AMES, IA 50010
UNITED STATES

Contact Person For Source Information
GERALD EDGAR
515-239-6080
GEDGAR@SAUER-DANFOSS.COM
2800 E 13TH ST
AMES, IA 50010
UNITED STATES

Owner (current)
SAUER-DANFOSS CORPORATION
From: 05/01/2000 To:
2800 E 13TH ST
AMES, IA 50010
AMES
Type: Private
Phone: (515) 239-6000

Operator (current)
SAUER-DANFOSS CORPORATION
From: 05/01/2000 To:
2800 E 13TH ST
AMES, IA 50010
AMES
Type: Private
Phone: (515) 239-6000

Latitude/Longitude Measure: 42.033526 - -93.573354

Geometric Type Code: 001
Horizontal Accuracy Measure:
Horizontal Collection Method:
Horizontal Reference Datum:
Reference Point Code:
Source Map Scale Numbers:

Land Type: Private Non Notifier: No Commercial Availability: Non-Commercial Tsd Date:
Accessibility: No. Employees: State District:

NAICS Codes: 333996 Fluid Power Pump and Motor Manufacturing

Notes: Updated Handler Information Report

Regulated Waste Activities

Hazardous Waste Generator Status - Federal: Conditionally Exempt SQG; State: IA-3 CESQG

Other Hazardous Waste Generator Activities

Importer Activity: No
Mixed Waste Generator: No

Transporter Activity: No
TSD Activity: No
Recycler Activity: No

Exempt Boiler and/or Industrial Furnace

Small Quantity Onsite Burner Exemption: No
Smelting, melting, Refining Furnace Exemption: No

Used Oil Activities

Used Oil Transporter Activity

Transporter: No
Transfer Facility: No

Used Oil Processor and/or Re-refiner Activity

Processor: No
Refiner: No

Underground Injection Control: No

Off-Specification Used Oil Burner: No

Used Oil Fuel Marketer Activity

Marketer who directs shipment off-specification used oil to off-specification used oil burner: No

Marketer who first claims the used oil meets the specifications: No

Destination Facility for Universal Waste: No

Description of Hazardous Wastes (as reported on Site Identification Form)

EPA Waste Codes: D001; **State Waste Codes:** IA-UOIL

Activity Location: IA **Source Type: Notification** **Seq. Number: 2** **Receive Date: 28 APR 2008**

Other/Previous Site Name: SAUER-DANFOSS CORP

Location Address: 2800 E 13TH ST
AMES, IA 50010

Mailing Address: 2800 E 13TH ST
AMES, IA 50010
UNITED STATES

Contact Person For Source Information
GERALD EDGAR
515-239-6080
GEDGAR@SAUER-DANFOSS.COM
2800 E 13TH ST
AMES, IA 50010
UNITED STATES

Owner (current)
SAUER-DANFOSS CORPORATION
From: 05/01/2000 To:
2800 E 13TH ST
AMES, IA 50010
AMES
Type: Private
Phone: (515) 239-6000

Operator (current)
SAUER-DANFOSS CORPORATION
From: 05/01/2000 To:
2800 E 13TH ST
AMES, IA 50010
AMES
Type: Private
Phone: (515) 239-6000

RCRA Site Detail

Report run on: December 30, 2008 - 9:44 AM

IAD056736184 SAUER-DANFOSS CORP

Continued...

Latitude/Longitude Measure: 42.033526 - -93.573354

Geometric Type Code: 001
Horizontal Accuracy Measure:
Horizontal Collection Method:
Horizontal Reference Datum:
Reference Point Code:
Source Map Scale Numbers:

Land Type: Private
Non Notifier: No
Commercial Availability: Non-Commercial
Tsd Date:
Accessibility:
No. Employees:
State District:

NAICS Codes: 333996 Fluid Power Pump and Motor Manufacturing

Regulated Waste Activities

Hazardous Waste Generator Status - Federal: Conditionally Exempt SQG; State: IA-3 CESQG

Other Hazardous Waste Generator Activities

Importer Activity: No
Mixed Waste Generator: No

Transporter Activity: No
TSD Activity: No
Recycler Activity: No

Exempt Boiler and/or Industrial Furnace

Small Quantity Onsite Burner Exemption: No
Smelting, melting, Refining Furnace Exemption: No

Used Oil Activities

Used Oil Transporter Activity

Transporter: No
Transfer Facility: No

Used Oil Processor and/or Re-refiner Activity

Processor: No
Refiner: No

Underground Injection Control: No

Off-Specification Used Oil Burner: No

Used Oil Fuel Marketer Activity

Marketer who directs shipment off-specification used oil to off-specification used oil burner: No

Marketer who first claims the used oil meets the specifications: No

Destination Facility for Universal Waste: No

Description of Hazardous Wastes (as reported on Site Identification Form)

EPA Waste Codes: D001

Activity Location: IA **Source Type: Notification** **Seq. Number: 1** **Receive Date: 04 MAR 1996**

Other/Previous Site Name: SAUER-DANFOSS CORP

Location Address: 2800 E 13TH ST
AMES, IA 50010

Mailing Address: 2800 E 13TH ST
AMES, IA 50010

Contact Person For Source Information GEORGE CHARBONNEAU
(515) 239-6617
2800 E 13TH ST
AMES, IA 50010

Owner (current)
SAUER-SUNDSTRAND CO.
From: To:
2800 E 13TH ST
AMES, IA 50010
Type: Private
Phone: (515) 239-6000

Latitude/Longitude Measure: 42.033526 - -93.573354

Geometric Type Code: 001
Horizontal Accuracy Measure:
Horizontal Collection Method:
Horizontal Reference Datum:
Reference Point Code:
Source Map Scale Numbers:

Land Type: Private
Non Notifier: No
Commercial Availability: Non-Commercial
Tsd Date:
Accessibility:
No. Employees:
State District:

Notes: Facility name change

Regulated Waste Activities

Hazardous Waste Generator Status - Federal: Small Quantity Generator; State:

Other Hazardous Waste Generator Activities

Importer Activity: No
Mixed Waste Generator: Unknown

Transporter Activity: No
TSD Activity: No
Recycler Activity: No

Exempt Boiler and/or Industrial Furnace

Small Quantity Onsite Burner Exemption: No
Smelting, melting, Refining Furnace Exemption: No

Used Oil Activities

Used Oil Transporter Activity

Transporter: No
Transfer Facility: No

Used Oil Processor and/or Re-refiner Activity

Processor: No
Refiner: No

Underground Injection Control: No

Off-Specification Used Oil Burner: No

Used Oil Fuel Marketer Activity

Marketer who directs shipment off-specification used oil to off-specification used oil burner: No

Marketer who first claims the used oil meets the specifications: No

Destination Facility for Universal Waste:

RCRA Site Detail

Report run on: December 30, 2008 - 9:44 AM

IAD056736184 SAUER-DANFOSS CORP

Continued...

Description of Hazardous Wastes (as reported on Site Identification Form)
EPA Waste Codes: D009, F001, F005

Activity Location: IA **Source Type: Biennial Report** **Seq. Number: 3** **Receive Date: 28 FEB 1994** **Report Cycle: 1993**

Other/Previous Site Name: SUNDSTRAND-SAUER

Location Address: 2800 E 13TH STREET
AMES, IA 50010

Mailing Address: 2800 E 13TH STREET
AMES, IA 50010

Contact Person For Source Information GEORGE L CHARBONNEAU
(515) 239-6617

Latitude/Longitude Measure: 42.033526 - -93.573354

Geometric Type Code: 001
Horizontal Accuracy Measure:
Horizontal Collection Method:
Horizontal Reference Datum:
Reference Point Code:
Source Map Scale Numbers:

Land Type: Bad code - U
Non Notifier: No
Commercial Availability: Non-Commercial
Tsd Date:
Accessibility:
No. Employees:
State District:

NAICS Codes: 333996 Fluid Power Pump and Motor Manufacturing

Regulated Waste Activities

Hazardous Waste Generator Status - Federal: Large Quantity Generator; State:

Other Hazardous Waste Generator Activities

Importer Activity: Unknown
Mixed Waste Generator: Unknown
Transporter Activity: Unknown
TSD Activity: No
Recycler Activity: Unknown

Exempt Boiler and/or Industrial Furnace

Small Quantity Onsite Burner Exemption: Unknown
Smelting, melting, Refining Furnace Exemption: Unknown

Used Oil Activities

Used Oil Transporter Activity
Transporter: Unknown
Transfer Facility: Unknown

Used Oil Processor and/or Re-refiner Activity
Processor: Unknown
Refiner: Unknown

Off-Specification Used Oil Burner: Unknown

Used Oil Fuel Marketer Activity
Marketer who directs shipment off-specification used oil to off-specification used oil burner: Unknown
Marketer who first claims the used oil meets the specifications: Unknown

Underground Injection Control: Unknown
Destination Facility for Universal Waste: Unknown

Biennial Report Information

Total Quantity Reported (Tons): Generated: 5 Managed: 0 Shipped: 5 Received: 0

Top 10 GM Forms Summary by Largest Quantity of Hazardous Waste Generated (All quantities are in tons)

Generated	Managed	Onsite Management Methods	Shipped	Offsite Management Methods
IGNITABLE SPENT LACQUER THINNER USED TO CLEAN PAINTING EQUIPMENT; MIXED WITH WATER BASED PAINT				
1	0		1	H020 - SOLVENTS RECOVERY
EPA Waste Codes: F005				
SPENT HALOGENTED SOLVENT USED IN DEGREASING PARTS; A MIXTURE OF SOLVENT, FREON 113 AND HYDRAULIC OIL				
0	0		0	
EPA Waste Codes: F001				

Activity Location: IA **Source Type: Implementer** **Seq. Number: 1** **Receive Date: 26 OCT 1993**

Other/Previous Site Name: SAUER-DANFOSS CORP

Location Address: 2800 E 13TH ST
AMES, IA 50010

Mailing Address: 2800 E 13TH ST
AMES, IA 50010

Latitude/Longitude Measure: 42.033526 - -93.573354

Geometric Type Code: 001
Horizontal Accuracy Measure:
Horizontal Collection Method:
Horizontal Reference Datum:
Reference Point Code:
Source Map Scale Numbers:

Land Type: Private
Non Notifier: No
Commercial Availability: Non-Commercial
Tsd Date:
Accessibility:
No. Employees:
State District:

Notes: Facility name change

IAD056736184 SAUER-DANFOSS CORP

Continued...

Regulated Waste Activities

Hazardous Waste Generator Status - Federal: Large Quantity Generator; State:

Other Hazardous Waste Generator Activities

Importer Activity:	Unknown
Mixed Waste Generator:	Unknown
Transporter Activity:	No
TSD Activity:	Yes
Recycler Activity:	No

Exempt Boiler and/or Industrial Furnace

Small Quantity Onsite Burner Exemption:	Unknown
Smelting, melting, Refining Furnace Exemption:	Unknown

Used Oil Activities

Used Oil Transporter Activity

Transporter:	No
Transfer Facility:	No

Used Oil Processor and/or Re-refiner Activity

Processor:	No
Refiner:	No

Underground Injection Control: No

Off-Specification Used Oil Burner: No

Used Oil Fuel Marketer Activity

Marketer who directs shipment off-specification used oil to off-specification used oil burner: No

Marketer who first claims the used oil meets the specifications: No

Destination Facility for Universal Waste:

Description of Hazardous Wastes (as reported on Site Identification Form)

EPA Waste Codes: D000

Activity Location: IA Source Type: Biennial Report Seq. Number: 2 Receive Date: 28 FEB 1992 Report Cycle: 1991

Other/Previous Site Name: SAUER-SUNDSTRAND COMPANY

Location Address: 2800 E. 13TH STREET AMES, IA 50010

Mailing Address: 2800 E. 13TH STREET AMES, IA 50010

Contact Person For Source Information: GEORGE L CHARBONNEAU (515) 239-6617

Latitude/Longitude Measure: 42.033526 - -93.573354

Geometric Type Code: 001
Horizontal Accuracy Measure:
Horizontal Collection Method:
Horizontal Reference Datum:
Reference Point Code:
Source Map Scale Numbers:

Land Type: Bad code - U
Accessibility:
Non Notifier: No
No. Employees:
Commercial Availability: Non-Commercial
State District:
Tsd Date:

NAICS Codes: 333996 Fluid Power Pump and Motor Manufacturing

Regulated Waste Activities

Hazardous Waste Generator Status - Federal: Large Quantity Generator; State:

Other Hazardous Waste Generator Activities

Importer Activity:	Unknown
Mixed Waste Generator:	Unknown
Transporter Activity:	Unknown
TSD Activity:	No
Recycler Activity:	Unknown

Exempt Boiler and/or Industrial Furnace

Small Quantity Onsite Burner Exemption:	Unknown
Smelting, melting, Refining Furnace Exemption:	Unknown

Used Oil Activities

Used Oil Transporter Activity

Transporter:	Unknown
Transfer Facility:	Unknown

Used Oil Processor and/or Re-refiner Activity

Processor:	Unknown
Refiner:	Unknown

Underground Injection Control: Unknown

Off-Specification Used Oil Burner: Unknown

Used Oil Fuel Marketer Activity

Marketer who directs shipment off-specification used oil to off-specification used oil burner: Unknown

Marketer who first claims the used oil meets the specifications: Unknown

Destination Facility for Universal Waste: Unknown

Biennial Report Information

Total Quantity Reported (Tons): Generated: 2 Managed: 0 Shipped: 2 Received: 0

Top 10 GM Forms Summary by Largest Quantity of Hazardous Waste Generated (All quantities are in tons)

Generated	Managed	Onsite Management Methods	Shipped	Offsite Management Methods
SPENT HALOGENATED SOLVENT USED IN DEGREASING PARTS; A MIXTURE OF SOLVENT AND HYDRAULIC OIL (FREON 113).				
0	0		0	

EPA Waste Codes: F001

IAD056736184 SAUER-DANFOSS CORP

Continued...

Top 10 GM Forms Summary - continued (All quantities are in tons)

Generated	Managed	Onsite Management Methods	Shipped	Offsite Management Methods
NON HAZARDOUS OILY SLUDGE GENERATED BY WASTE TREATMENT FACILITY; CONTAMINATED WITH STODDARD SOLVENT CAUSING DEPRESSED FLASHPOINT (102 DEGREES F.)				
0	0		0	
EPA Waste Codes: D001				
NON HAZARDOUS OILY SLUDGE FROM FLOOR CLEANING; CONTAMINATEDWITH METHYLENE CHLORIDE.				
0	0		0	
EPA Waste Codes: F001, F002				
DRILL TAILINGS FROM DEVELOPMENT OF MONITORING WELLS: SOIL CONTAMINATED WITH PCE AND TCE.				
0	0		0	
EPA Waste Codes: F001				

Activity Location: IA Source Type: Biennial Report Seq. Number: 1 Receive Date: 01 MAR 1990 Report Cycle: 1989

Other/Previous Site Name: SAUER-SUNDSTRAND

Location Address: 2800 EAST 13TH STREET
AMES, IA 50010

Mailing Address: 2800 EAST 13TH STREET
AMES, IA 50010

Contact Person For Source Information: GEORGE L CHARBONNEAU
(515) 239-6617

Latitude/Longitude Measure: 42.033526 - -93.573354

Geometric Type Code: 001
Horizontal Accuracy Measure:
Horizontal Collection Method:
Horizontal Reference Datum:
Reference Point Code:
Source Map Scale Numbers:

Land Type: Bad code - U
Non Notifier: No
Commercial Availability: Non-Commercial
Tsd Date:
Accessibility:
No. Employees:
State District:

NAICS Codes: 333996 Fluid Power Pump and Motor Manufacturing

Regulated Waste Activities

Hazardous Waste Generator Status - Federal: Large Quantity Generator; State:

Other Hazardous Waste Generator Activities

Importer Activity: Unknown
Mixed Waste Generator: Unknown

Transporter Activity: Unknown
TSD Activity: No
Recycler Activity: Unknown

Exempt Boiler and/or Industrial Furnace

Small Quantity Onsite Burner Exemption: Unknown
Smelting, melting, Refining Furnace Exemption: Unknown

Used Oil Activities

Used Oil Transporter Activity
Transporter: Unknown
Transfer Facility: Unknown

Used Oil Processor and/or Re-refiner Activity
Processor: Unknown
Refiner: Unknown

Off-Specification Used Oil Burner: Unknown

Used Oil Fuel Marketer Activity
Marketer who directs shipment off-specification used oil to off-specification used oil burner: Unknown
Marketer who first claims the used oil meets the specifications: Unknown

Underground Injection Control: Unknown

Destination Facility for Universal Waste: Unknown

Biennial Report Information

Total Quantity Reported (Tons): Generated: 2 Managed: 0 Shipped: 2 Received: 0

Top 10 GM Forms Summary by Largest Quantity of Hazardous Waste Generated (All quantities are in tons)

Generated	Managed	Onsite Management Methods	Shipped	Offsite Management Methods
A SPENT HALOGENATED SOLVENT USED IN DEGREASING PARTS; A MIXTURE OF SOLVENT AND HYDRAULIC OILS. (FREON 113)				
1	0		1	H020 - SOLVENTS RECOVERY
EPA Waste Codes: F001				

Activity Location: IA Source Type: Part A Seq. Number: 1 Receive Date: 17 NOV 1980

Other/Previous Site Name: SAUER-DANFOSS CORP

RCRA Site Detail

Report run on: December 30, 2008 - 9:44 AM

IAD056736184 SAUER-DANFOSS CORP

Continued...

Location Address: 2800 E 13TH ST
AMES, IA 50010

Mailing Address: 2800 E 13TH ST
AMES, IA 50010

Contact Person For Source Information: GEORGE CHARBONNEAU, (515) 239-6617, 2800 E 13TH ST, AMES, IA 50010

Operator (current)
SUNDSTRAND-SAUER
From: To:
4751 HARRISON AVENUE
ROCKFORD, IL 61101
Type: Private
Phone: (815) 226-6000

Latitude/Longitude Measure: 42.033526 - -93.573354

Geometric Type Code: 001
Horizontal Accuracy Measure:
Horizontal Collection Method:
Horizontal Reference Datum:
Reference Point Code:
Source Map Scale Numbers:

Land Type: Private
Non Notifier: No
Commercial Availability: Non-Commercial
Tsd Date:
Accessibility:
No. Employees:
State District:

NAICS Codes: 333911 Pump and Pumping Equipment Manufacturing

Notes: Facility name change

Regulated Waste Activities

Hazardous Waste Generator Status - Federal: Not a Generator; State: HQ-N Not a Generator

Other Hazardous Waste Generator Activities
- Importer Activity: No
- Mixed Waste Generator: Unknown

Transporter Activity: No
TSD Activity: Yes
Recycler Activity: No

Exempt Boiler and/or Industrial Furnace
- Small Quantity Onsite Burner Exemption: No
- Smelting, melting, Refining Furnace Exemption: No

Used Oil Activities

Used Oil Transporter Activity
- Transporter: No
- Transfer Facility: No

Used Oil Processor and/or Re-refiner Activity
- Processor: No
- Refiner: No

Off-Specification Used Oil Burner: No

Used Oil Fuel Marketer Activity
- Marketer who directs shipment off-specification used oil to off-specification used oil burner: No
- Marketer who first claims the used oil meets the specifications: No

Underground Injection Control: No

Destination Facility for Universal Waste:

Description of Hazardous Wastes (as reported on Site Identification Form)

EPA Waste Codes: F001, F002, F003, F005, F007, F008, F010

*** End of Report ***

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Name of product

HYCUT® ET 46
Prod-Nr. 42 701.04
Q-Nr. Q 777/0202
Rave/au

Manufacturer/distributor

Oemeta Chemische Werke GmbH
Ossenpadd 54, D-25536 Uetersen
Phone ++49 (0)4122/924-0, Fax ++49 (0)4122/924-157

E-Mail oemeta@oemeta.com
Internet www.oemeta.com

Advice

Stefan Joksch
Phone ++49 (0)4122/924-124
Fax ++49 (0)4122/924-157

Emergency advice

Chemtrec
Phone 800 / 424-9300

Recommended intended purpose(s)
Water miscible multipurpose oil

Effect of the substance / the formulation
Application range: industry / craft. For special application notes see technical data sheet.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization
Preparation, contains ester oils, emulsifiers, additives

Additional advice
Please note: The information in this safety data sheet refers to the concentrate. In water solubilised form, other properties appropriate to the dilution apply.
Composition: 60-80 % synthetic ester oils, 20-30 % tensides

3. HAZARDS IDENTIFICATION

Special hazards information for humans and environment
This product does not require marking as dangerous under the hazardous substances ordiance.

4. FIRST AID MEASURES

General information
Remove contaminated soaked clothing immediately.

In case of inhalation
In the event of symptoms refer for medical treatment.

In case of skin contact
In case of contact with skin wash off immediately with soap and water.

In case of eye contact
In case of contact with eyes rinse thoroughly with warm water.

In case of ingestion
Do not induce vomitting.
Rinse out mouth and give plenty of water to drink.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Foam
Dry powder
Carbon dioxide
Water spray jet

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases
Nitrogen oxides (NOx)
Carbon monoxide (CO)

Special protective equipment for fire-fighters
Use breathing apparatus with independent air supply.

Additional information
Collect contaminated firefighting water separately, must not be discharged into the drains.
UEL / LEL and flashpoint see section 9.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
High risk of slipping due to leakage/spillage of product.

Environmental precautions
Do not discharge into the drains/surface waters/groundwater.
Do not discharge into the subsoil/soil.

Methods for cleaning up
Take up with absorbent material (e.g. oil binder).

Additional Information
Informations for disposal see chapter 13.

7. HANDLING AND STORAGE

Advice on protection against fire and explosion
Pay attention to general rules of internal fire protection, for use as working oil.

Requirements for storage rooms and vessels
Do not use containers, leads, pipes a.s.o. of copper or copper-containing alloys.
Do not use zinc containers.

Further information on storage conditions
Keep container tightly closed.
Store in a cool, well ventilated area, away from extreme heat or open flame.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional advice on system design
In case of forming aerosols/vapours we recommend purposeful exhaust.
This product is a basic component for water-mixed cutting fluid. For water-mixed cutting fluid see the following threshold limit values.

Ingredients with occupational exposure limits to be monitored

CAS-No.	Name	Code	[mg/m³]	[ml/m³]	Remark
	oil mist	OSHA	5		

Respiratory protection
Pay attention for good general ventilation.

Hand protection
At full-contact with the concentrate we recommend to use gloves or use barrier cream.

Eye protection
Safety glasses

General protective measures
Avoid contact with eyes and skin

Hygiene measures
Do not eat or drink when working.
Clean skin thoroughly after working.
Cloths contaminated with product should not be kept in trouser pockets.
Keep away from food and drink.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form
liquid

Colour
yellow

Odour
mild

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value in delivery state	not applicable				
cloud / clear point	< 0 °C			ASTM D 5773	<32 °F
Flash point	> 210 °C			ASTM D 92	>410 °F
Combustion temperature	458 °C				856 ° F
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Density	0,91 - 0,93 g/ cm3	20 °C		ASTM D 1298	68 °F
Solubility in water					emulsifiable
Viscosity 1 kinematic	41 - 51 mm2/s	40 °C		ASTM D 445	104 °F
Viscosit 2 kinematic	105 - 115 mm2/s	20 °C		ASTM D 445	68 °F

! 10. STABILITY AND REACTIVITY

! Conditions to avoid
Avoid heating of concentrate > 100 °C.

Materials to avoid
Reactions with acids and strong oxidising agents.

11. TOXICOLOGICAL INFORMATION

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark

	Value/Validation	Species	Method	Remark
Irritability skin	not irritating	Human	Trans Epidermal Water Loss	Test concentration 100 %
Irritability eye				Can shortly be irritating in case of direct contact.

Additional information
Pay attention to skin care/protection when continual or frequent contact with the water mixed form accours, because the product has degreasing effect which can make the skin dry.
Cutting fluid aerosol/vapours in the working environment should be avoided.

12. ECOLOGICAL INFORMATION

Data on elimination (persistence and degradability)

	Elimination rate	Method of analysis	Method	Validation
Biological degradability	97 %	CEC L-33-A-93		readily degradable

General regulation
Do not discharge product unmonitored into the environment.

13. DISPOSAL CONSIDERATIONS

Recommendations for packaging
Waste disposal method must comply with local, state and federal regulations.

Recommended cleansing agent
Water

14. TRANSPORT INFORMATION

Transport/further informations
D.O.T. - non hazardous

15. REGULATORY INFORMATION

Remarks for classification
The product does not contain any substances subject to EPCRA 302 and 313 and CERCLA.
All constituents of the product are listed in the TSCA and DSL inventory.

VOC standard
VOC content 5 %

16. OTHER INFORMATION

Training advice
For further information how to use this product please apply to: Oemeta Chemische Werke GmbH/Germany, phone Mr. Joksch +49 4122/924-124.

Recommendend uses and restrictions

Further information
For further information please apply the Technical Department ++49 4122/924-132.
! An exclamation mark before the relevant section number indicates that the safety data sheet has been revised.
OSHA = Occupational Safety and Health Administration
TSCA = Toxic Substance Control Act
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DSL = Domestic Substances List
EPCRA = Emergency Planning and Community Right to Know Act
All declarations of safety-data-sheet refer to pure substance.

Sources of key data used
Oemeta Technical Department

1. Identification of the substance/preparation

Name of product

ADDITIV - ET USA
Prod-Nr. 42 05533 0
Qä-Nr. Q 774/0202
Bearbeiter Dr. M/sh

Manufacturer/distributor

Oemeta Chemische Werke GmbH
Ossenpadd 54, D-25536 Uetersen
Phone ++49 (0)4122/924-0, Fax ++49 (0)4122/924-157

Advice

Dr. Müller
Phone ++49 (0)4122/924-132
Fax ++49 (0)4122/924-157

Emergency advice

Chemtrec
Phone 800 / 424-9300

2. Composition/information on ingredients

Chemical characterization
Stabilization agent for water miscible cutting fluid
contains surfactants, long-chain alcohols, additives

3. Special hazards information for man and environment

Special hazards information for humans and environment
If properly used, no damaging effects.

4. First aid measures

General information
Remove contaminated soaked clothing immediately.

In case of inhalation
Remove to fresh air

In case of skin contact
In case of contact with skin wash off immediately with plenty of water.

In case of eye contact
In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

In case of ingestion
Refer to medical treatment.
Rinse out mouth and give plenty of water to drink.

Physician's information / possible dangers
pH-value in alkaline range 9 - 11

Treatment (Advice to doctor)
Treat symptoms.

5. Fire-fighting measures

Suitable extinguishing material
Foam
Dry fire-extinguishing substance
Carbon dioxide
Water spray jet

Special exposure hazards arising from the substance, combustible products or resulting gases
In case of fire formation of dangerous gases possible.
In the event of fire the following can be released:

Additional information
Collect contaminated firefighting water separately, must not be discharged into the drains.
UEL / LEL and flashpoint see section 9.

6. Accidental release measures

Personal precautions
High risk of slipping due to leakage/spillage of product.

Environmental precautions
Do not discharge into surface waters/groundwater.
Do not discharge into the subsoil/soil.

Methods for cleaning up/taking up
Take up residues with suitable absorbent materials.
After taking up the material dispose according to regulation.

7. Handling and storage

Advice on safe handling
Take care on threshold limits for metal-working fluid aerosols and vapours (e.g. German MAK: 10 mg/cbm)

Advice on protection against fire and explosion
No special measures necessary.

Requirements for storage rooms and vessels
Prevent penetration into the ground.
Only use containers that are approved specifically for the substance/product.

Advice on storage compatibility
Do not store with acids.

Further information on storage conditions
Keep under lock and key or accessible only to specialists or people authorized by them.
Do not keep at temperatures above 30°C (86°F).
Do not keep at temperatures below 10°C (50°F).

Information on storage stability
In enclosed original container and at storage temperature of 30 °C (86 °F) maximum product keeps stable for at least 12 months.

8. Exposure controls / personal protection

Additional advice
The product complies with TRGS 611 (German regulation).

Respiratory protection
Breathing apparatus in the event of aerosol or mist formation.

Hand protection
chemical-resistant gloves

Eye protection
Tightly fitting goggles in compliance with NIOSH/ANSI

Skin protection
plastic apron

General protective measures
Avoid longterm and intensive skin contact
Avoid contact with the eyes.

Hygiene measures
Do not eat or drink when working.

9. Physical and chemical properties

Form
liquid

Colour
yellowish

Odour
mild

Data relevant for safety

	Value	Temperature	at	Method	Remark
pH value in delivery state	9 - 11	20 °C		DIN 51369	68 °F
cloud / clear point	< 0 °C				<32 °F
Combustion temperature	> 150 °C				>302 °F
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Density	1,07 - 1,1 g/cm3	20 °C		DIN 51757	68 °F
Solubility in water					soluble
Viscosity 1 kinematic	28 - 34	20 °C		DIN 53018	68 °F

Additional information
Volatile organic compounds – 3 wt. %

10. Stability and reactivity

Conditions to avoid
If product is heated above decomposition temperature toxic vapours may be released.

Hazardous decomposition products
Nitrous oxides (NOx)

Additional information
Stable at ambient temperature

11. Toxicological information

Experiences made from practice
Has a degreasing effect on the skin.

Additional information
Pay attention to skin care/protection when continual or frequent contact with the water mixed form accours. Cutting fluid aerosol/vapours in the working environment should be avoided.

12. Ecological information

Mobility and bioaccumulative potential
Damaging effects to the environment are possible in the event of improper handling of the concentrate, or in the event of accidents, especially for water, flora and fauna.

Behaviour in sewage plant
Treat by state-of-the-art technology before discharging into drains.

General regulation
Do not discharge product unmonitored into the environment.

! 13. Disposal considerations

Waste code No. 12 01 10
Name of waste synthetic machining oils

! Recommendations for the product
In accordance with regulations for waste, the product must be taken to an authorised waste treatment facility for burning or recycling.

14. Transport information

Land and inland navigation transport (ADR/RID/GGVS/GGVE/ADNR)
Identification —

Marine transport IMDG/GGV See
Proper shipping name —
Marine pollutant No

Air transport ICAO/IATA
Proper shipping name —

Transport/further informations
Land transport identification also according to DOT

15. Regulatory information

Remarks for classification
The product does not contain any substances subject to EPCRA 302 and 313 and CERCLA.
All constituents of the product are listed in the TSCA inventory.
The product does not require a hazard warning label in accordance with EC directives/German regulations on dangerous substances.

16. Other information

Training advice
For further information how to use this product please apply to: Oemeta Chemische Werke GmbH/Germany, Mr. Joksch - phone ++49 4122/924-124, fax ++49 4122/924-157/ Dr. Müller - phone ++49 4122/924-133.

Recommendend uses and restrictions
Take care of sufficient skin protection while working and after work.
Please take care of the recommended concentration.

Further information
For further information please apply the Technical Department ++49 4122/924-132.
! An exclamation mark before the relevant section number indicates that the safety data sheet has been revised.
All declarations of safety-data-sheet refer to pure substance.

Sources of key data used
Oemeta Technical Department

STATE OF ILLINOIS

P.O. BOX 19276 SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

5-053-01 State Form LPC 62 8/81 IL532-0610

PLEASE TYPE (Form designed for use on elite (12-pitch) typewriter.) **EPA Form 8700-22 (Rev. 6-89)** Form Approved. OMB No. 2050-0039

UNIFORM ~~HAZARDOUS~~ WASTE MANIFEST

1. Generator's US EPA ID No. IAD056736184 Manifest Document No. 52948

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but is required by Illinois law.

GENERATOR

3. Generator's Name and Mailing Address
SAUER DANFOSS
2800 E 13TH ST S
AMES IA 50010

Location if Different

A. Illinois Manifest Document Number IL 2031079 FEE PAID IF APPLICABLE

B. Generator's IL ID Number 9190019999

4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS* 515 239-6516

5. Transporter 1 Company Name SAFETY-KLEEN SYSTEMS, INC

6. US EPA ID Number TXR000050930

C. Transporter's ID Number UPW151288IL

D. Transporter's Phone 515)262-2949

7. Transporter 2 Company Name

8. US EPA ID Number

E. Transporter's ID Number

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address 000654
SAFETY-KLEEN SYSTEMS, INC.
633 E 138TH ST
DOLTON, IL 60419

10. US EPA ID Number ILD980613913

G. Facility's IL ID Number 0310690006

H. Facility's Phone (708 225-8100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. NOT USDOT OR USEPA REGULATED MATERIAL (PIT SLUDGE, OIL, WATER)	008	DM	00440	G	EPA HW Number NONE
b. NOT USDOT OR USEPA REGULATED MATERIAL, SOLID (DIRT, SAND, SOIL AND OIL)	001	DM	00055	G	EPA HW Number NONE
c.					EPA HW Number
d.					EPA HW Number

J. Additional Description for Materials Listed Above

K. Handling Codes for Wastes Listed Above In Item #14
A, B) H141

15. Special Handling Instructions and Additional Information
MFST R/T#107666448 0000-7755-37
EMERGENCY RESP 800-468-1760(24 HR). IF UNDELIVERABLE RETURN TO GENERATOR.
SK CORP AUTHORIZED TO RETAIN LICENSED SUBSEQUENT CARRIERS AS NECESSARY.
SKDOT# A: 170205 B: 168552 C: D:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR,** if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Date Month Day Year
Dennis Hennick		09 01 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year
James Harper		09 01 06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Date Month Day Year
HAL BOSS		09 13 06

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed $25,000 per day of violation. Falsification of this information may result in a fine up to $50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

A)200105425/40159805 B)200105427/40159807

SEP 11 PSD MAIL TO GENERATOR

ATTACHMENT 10 Page 1 of 1

SAFETY-KLEEN PREMIUM SOLVENT
SAFETY-KLEEN PREMIUM GOLD SOLVENT
(VIRGIN AND RECYCLED)
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **SAFETY-KLEEN PREMIUM SOLVENT**
SAFETY-KLEEN PREMIUM GOLD SOLVENT
(VIRGIN AND RECYCLED)

SYNONYMS: Parts Washer Solvent; Petroleum Distillates; Petroleum Naphtha; Naphtha, Solvent; Stoddard Solvent; Mineral Spirits.

PRODUCT CODE: 6605, 6616

PRODUCT USE: Cleaning and degreasing metal parts.
If this product is used in combination with other products, refer to the Material Safety Data Sheet for those products.

These numbers are for emergency use only. If you desire non-emergency product information, please call a phone number listed below.

24-HOUR EMERGENCY PHONE NUMBER
MEDICAL AND TRANSPORTATION (SPILL):

1-800-468-1760

SUPPLIER: Safety-Kleen Systems, Inc.
5400 Legacy Drive
Cluster II, Building 3
Plano, Texas 75024
USA
1-800-669-5740
www.Safety-Kleen.com

TECHNICAL INFORMATION: 1-800-669-5740 Press 1 then Enter 7500

MSDS FORM NUMBER: 82658 **ISSUE:** January 23, 2008

ORIGINAL ISSUE: January 26, 1995 **SUPERSEDES:** November 1, 2006

PREPARED BY: Product MSDS Coordinator **APPROVED BY:** MSDS Task Force

SAFETY-KLEEN PREMIUM SOLVENT
SAFETY-KLEEN PREMIUM GOLD SOLVENT (VIRGIN AND RECYCLED)
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

WT%	NAME	SYNONYM	CAS NO.	OSHA PEL** TWA	OSHA PEL** STEL	ACGIH TLV® TWA	ACGIH TLV® STEL	LD[a]	LC[b]
				ppm	ppm	ppm			
100	Distillates (petroleum), hydrotreated light	N. Av.	64742-47-8	500[c] ppm 2900[c] mg/m³	N. Av.	100[c]	N. Av.	5000[c] mg/kg	5500[c] mg/m3/4h

**OSHA Final PEL value (enforceable). Some States have adopted more stringent values.

N. Av. = Not Available
[a]Oral-Rat LD_{50}
[b]Inhalation-Rat LC_{50}
[c]Based on Stoddard Solvent

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE
Liquid, clear, colorless to pale yellow, mild hydrocarbon odor.

WARNING!

PHYSICAL HAZARDS
Combustible liquid and vapor.

HEALTH HAZARDS
May be harmful if inhaled.
May irritate the respiratory tract (nose, throat, and lungs), eyes, and skin.
May be harmful if swallowed.
Contains material that may cause central nervous system and kidney damage.

ENVIRONMENTAL HAZARDS
Not toxic to aquatic life.

POTENTIAL HEALTH EFFECTS

INHALATION (BREATHING): High concentrations of vapor may be harmful if inhaled. High concentrations of vapor or mist may irritate the respiratory tract (nose, throat, and lungs). High concentrations of vapor or mist may cause nausea, vomiting, headaches, dizziness, loss of coordination, numbness, and other central nervous system effects. Massive acute overexposure may cause rapid central nervous system depression, sudden collapse, coma, and/or death.

EYES: May cause irritation.

SKIN: May cause irritation. Not likely to be absorbed in harmful amounts.

INGESTION (SWALLOWING): May be harmful if swallowed. May cause throat irritation, nausea, vomiting, and central nervous system effects as noted under **INHALATION (BREATHING)**. Breathing product into the lungs during ingestion or vomiting may cause lung injury and possible death.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with pre-existing respiratory tract (nose, throat, and lungs), central nervous system, kidney, eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

CHRONIC: Prolonged or repeated inhalation may cause toxic effects as noted under **INHALATION (BREATHING)**. Prolonged or repeated exposure may cause central nervous system and kidney damage. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, swelling (dermatitis) and/or burns..

CANCER INFORMATION: No known carcinogenicity. For more information, see **SECTION 11: CARCINOGENICITY**.

Also see **SECTION 15: CALIFORNIA**.

POTENTIAL ENVIRONMENTAL EFFECTS

Product is not toxic to aquatic life. Also see **SECTION 12: ECOLOGICAL INFORMATION**.

SECTION 4: FIRST AID MEASURES

INHALATION (BREATHING): Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Oxygen should only be administered by qualified personnel. Someone should stay with victim. Get medical attention if breathing difficulty persists.

EYES:	If irritation or redness from exposure to vapor develops, move away from exposure into fresh air. Upon contact, immediately flush eyes with plenty of lukewarm water, holding eyelids apart, for 15 minutes. Get medical attention.
SKIN:	Remove affected clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if irritation or pain develops or persists.
INGESTION (SWALLOWING):	Do NOT induce vomiting. Immediately get medical attention. Call 1-800-468-1760 for additional information. If spontaneous vomiting occurs, keep head below hips to avoid breathing the product into the lungs. Never give anything by mouth to an unconscious person.
NOTE TO PHYSICIANS:	Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident. Call 1-800-468-1760 for additional information.

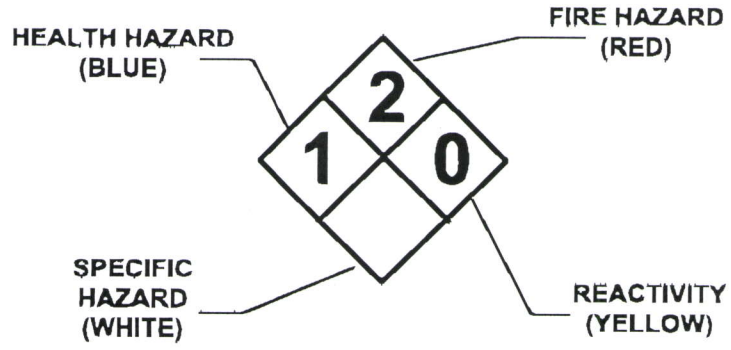
SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT:	148°F (64°C) (approximately)Tag Closed Cup	
FLAMMABLE LIMITS IN AIR:	**LOWER:** 0.7 VOL% (minimum)	**UPPER:** 5 VOL% (maximum)
AUTOIGNITION TEMPERATURE:	410°F (210°C) (minimum)	
HAZARDOUS COMBUSTION PRODUCTS:	Decomposition and combustion materials may be toxic. Burning may produce carbon monoxide and unidentified organic compounds.	
CONDITIONS OF FLAMMABILITY:	Heat, sparks, or flame.	
EXTINGUISHING MEDIA:	Carbon dioxide, regular foam, dry chemical, water spray, or water fog.	

SAFETY-KLEEN PREMIUM SOLVENT
SAFETY-KLEEN PREMIUM GOLD SOLVENT (VIRGIN AND RECYCLED)
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

NFPA 704
HAZARD IDENTIFICATION:

This information is intended solely for the use by individuals trained in this system.



FIRE FIGHTING INSTRUCTIONS:

Keep storage containers cool with water spray. A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

FIRE AND EXPLOSION HAZARDS:

Vapor explosion hazard indoors, outdoors, or in sewers. Vapors may travel to ignition source and flashback. Vapors will spread along the ground and collect in low or confined areas. Run-off to sewer may create a fire hazard. Heated containers may rupture or be thrown into the air. "Empty" containers may retain residue and can be dangerous. Products are not sensitive to mechanical impact. Products may be sensitive to static discharge, which could result in fire or explosion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. A vapor suppressing foam may be used to reduce vapors. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, sparkproof tool into a sealable container for disposal.

Additionally, for large spills: Water spray may reduce vapor, but may not prevent ignition in closed spaces. Dike far ahead of liquid spill for collection and later disposal.

SECTION 7: HANDLING AND STORAGE

HANDLING: Keep away from heat, sparks, or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean, sparkproof tools and explosion-proof equipment. When transferring product, metal containers, including trucks and tank cars, should be grounded and bonded. Do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing, and shoes. Do not smoke while using this product.

SHIPPING AND STORING: Keep container tightly closed when not in use and during transport. Store containers in a cool, dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from heat, flame, sparks, static electricity, or other sources of ignition. Empty product containers may retain product residue and can be dangerous. See **SECTION 14: TRANSPORTATION INFORMATION** for Packing Group information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits. Where explosive mixtures may be present, equipment safe for such locations should be used.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Use NIOSH-certified P- or R- series particulate filter and organic vapor cartridges when concentration of vapor or mist exceeds applicable exposure limits. Protection provided by air purifying respirators is limited. Do not use N-rated respirators. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4.

EYE PROTECTION: Where eye contact is likely, wear chemical goggles; contact lens use is not recommended.

SKIN PROTECTION:	Where skin contact is likely, wear neoprene, nitrile, or equivalent protective gloves; use of natural rubber or equivalent gloves is not recommended. To avoid prolonged or repeated contact with products where spills and splashes are likely, wear appropriate chemical-resistant faceshield, boots, apron, coveralls, long sleeve shirts, or other protective clothing.
PERSONAL HYGIENE:	Use good personal hygiene. Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse. Discard affected clothing, shoes, and/or protective equipment if they cannot be thoroughly cleaned. Discard leather articles, such as shoes, saturated with this product.
OTHER PROTECTIVE EQUIPMENT:	Where spills and splashes are likely, facilities storing or using these products should be equipped with an emergency eyewash and shower, both equipped with clean water, in the immediate work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE, APPEARANCE, AND ODOR:	Liquid, clear, colorless to pale yellow, mild hydrocarbon odor.
ODOR THRESHOLD:	30 ppm (based on Stoddard Solvent)
MOLECULAR WEIGHT:	Not available.
SPECIFIC GRAVITY:	0.77 to 0.80 at 60°F (15.6°C) (water = 1)
DENSITY:	6.4 to 6.7 LB/US gal (770 to 800 g/l)
VAPOR DENSITY:	5 (air = 1) (approximately)
VAPOR PRESSURE:	0.2 mm Hg at 68°F (20°C) (approximately) 0.6 mm Hg at 100°F (37°C) (approximately)
BOILING POINT:	350°F (177°C) (initial)
FREEZING/MELTING POINT:	-45°F (-43°C) (maximum)
pH:	Not applicable.
EVAPORATION RATE:	0.1 (butyl acetate = 1) (based on Stoddard Solvent)

SOLUBILITY IN WATER:	Insoluble.
FLASH POINT:	148°F (64°C) (approximately)Tag Closed Cup
FLAMMABLE LIMITS IN AIR:	**LOWER:** 0.7 VOL% (minimum) **UPPER:** 5 VOL% (maximum)
AUTOIGNITION TEMPERATURE:	410°F (210°C) (minimum)

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under normal temperatures and pressures. Avoid heat, sparks, or flame.
INCOMPATIBILITY:	Avoid acids, alkalies, oxidizing agents, reducing agents, or reactive halogens.
REACTIVITY:	Polymerization is not known to occur under normal temperature and pressures. Not reactive with water.
HAZARDOUS DECOMPOSITION PRODUCTS:	None under normal temperatures and pressures. See also **SECTION 5: HAZARDOUS COMBUSTION PRODUCTS**.

SECTION 11: TOXICOLOGICAL INFORMATION

SENSITIZATION:	Based on best current information, there is no known human sensitization associated with this product.
MUTAGENICITY:	Based on best current information, there is no known mutagenicity associated with this product.
CARCINOGENICITY:	Based on best current information, there is no known carcinogenicity as categorized by ACGIH A1 or A2 substances; as categorized by IARC Group 1, Group 2A, or Group 2B agents; or as listed by NTP as either known carcinogens or substances for which there is limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals. Also see **SECTION 15: CALIFORNIA**.

REPRODUCTIVE TOXICITY:	Based on best current information, there is no known reproductive toxicity associated with this product. Also see **SECTION 15: CALIFORNIA.**
TERATOGENICITY:	Based on best current information, there is no known teratogenicity associated with this product.
TOXICOLOGICALLY SYNERGISTIC PRODUCT(S):	Based on best current information, there are no known toxicologically synergistic products associated with this product.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:	A Static Acute Bioassay as per California Department of Fish and Game WPCL was done using fathead minnows and up to 750 ppm of the products in water. The material passed the bioassay.
OCTANOL/WATER PARTITION COEFFICIENT:	Not available.
VOLATILE ORGANIC COMPOUNDS:	100 WT%; 6.4 to 6.7 LB/US gal; 770 to 800 g/l As per 40 CFR Part 51.100(s).

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL:	Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding proper recycling or disposal.
USEPA WASTE CODE(S):	Not regulated. Based on available data, this information applies to the product as supplied to the user. Processing, use, or contamination by the user may change the waste code applicable to the disposal of this product.

SAFETY-KLEEN PREMIUM SOLVENT
SAFETY-KLEEN PREMIUM GOLD SOLVENT (VIRGIN AND RECYCLED)
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SECTION 14: TRANSPORT INFORMATION

DOT:

Bulk Packages (>119 Gallons):
Shipping Name: Combustible liquid, n.o.s. (petroleum naphtha) **UN/NA #:** NA1993. **Hazard Class:** Combustible liquid. **Packing Group:** III
Required Placards: Class 3, NA1993

Non-bulk Packages (<120 Gallons):
Shipping Name: Cleaning compounds (Petroleum naphtha) (Not US DOT regulated). **UN/NA #:** None. **Hazard Class:** None **Packing Group:** None **Required Label(s):** None

TDG: **Shipping Name:** Non-regulated goods.

EMERGENCY RESPONSE GUIDE NUMBER: 128
Reference *North American Emergency Response Guidebook*

SECTION 15: REGULATORY INFORMATION

USA REGULATIONS

SARA SECTIONS 302 AND 304: Based on the ingredients listed in **SECTION 2**, this product does not contain any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

SARA SECTIONS 311 AND 312: This product poses the following health hazards as defined in 40 CFR Part 370 and are subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA):

Immediate (Acute) Health Hazard
Delayed (Chronic) Health Hazard
Fire Hazard

SARA SECTION 313: This product does not contain "toxic" chemicals subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

CERCLA: Based on the ingredient listed in SECTION 2, this product does not contain any "hazardous substances" listed pursuant to the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

TSCA: The component of this product is listed on, or is automatically included as "naturally occurring chemical substances" on, or is exempted from the requirement to be listed on, the TSCA Inventory.

CALIFORNIA: This product may contain a detectable amount of benzene CAS 71-43-2 (at or below 0.4 mg/L) and p-dichlorobenzene CAS 106-46-7 (at or below 5 mg/L). WARNING: These chemicals are known to the State of California to cause cancer.

This product may contain a detectable amount of benzene CAS 71-43-2 (at or below 0.4 mg/L) and toluene CAS 108-88-3 (at or below 30 mg/L). WARNING: These chemicals are known to the State of California to cause birth defects or other reproductive harm.

CANADIAN REGULATIONS

This product have been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all information required by the CPR.

WHMIS: Class B3 - Combustible Liquid
Class D2B - Irritating to eyes and skin.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): The component of this product is listed on, or is automatically included as "substance occurring in nature" on, or is exempted from the requirements to be listed on, the Canadian Domestic Substances List (DSL).

SAFETY-KLEEN PREMIUM SOLVENT
SAFETY-KLEEN PREMIUM GOLD SOLVENT (VIRGIN AND RECYCLED)
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SECTION 16. OTHER INFORMATION

REVISION INFORMATION: Section 1, Product Part Numbers.

LABEL/OTHER INFORMATION: These products are United States Department of Agriculture (USDA) approved and ETL classified.

User assumes all risks incident to the use of this (these) product(s). To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either express or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the product(s) as supplied to the user.

Safety-Kleen®
WITHOUT A DOUBT.™

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
9191695156	1	800-535-5053	004117445 JJK

GENERATOR

5. Generator's Name and Mailing Address
SAUER DANFOSS ATTN: TIM ERICKSON
2800 E 13TH STREET
AMES, IA 50010
Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: ROCK VALLEY OIL & CHEMICAL — U.S. EPA ID Number: ILD 054356266

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
ROCK VALLEY OIL & CHEMICAL
1911 WINDSOR ROAD
ROCKFORD, IL 61111 815-654-2400
Facility's Phone: — U.S. EPA ID Number: ILD 054356266

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NOT DOT REGULATED USED PETROLEUM OIL	3	TP	1500	G	00269
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
LS-249C TEST STAND OIL
SERIAL No: 96446-9, 54213, 70040

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: JASON HUSSKE — Signature: [signature] — Month 10 Day 29 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JOHN A. LOUSSAERT — Signature: [signature] — Month 10 Day 29 Year 08

Transporter 2 Printed/Typed Name: JOHN GORDON — Signature: [signature] — Month 10 Day 30 Year 08

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Robert M Briggs — Signature: [signature] — Month 10 Day 30 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

ATTACHMENT 12 Page 1 of 432

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
9191695156	1	800-535-5053	002787305 JJK

GENERATOR

5. Generator's Name and Mailing Address
SAUER DANFOSS ATTN; TIM ERICKSON
2800 E 13TH STREET
AMES IA 50010
Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: ROCK VALLEY OIL & CEHMICAL — U.S. EPA ID Number: ILD 054356266

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
ROCK VALLEY OIL & CHEMICAL
1911 WINDSOR RD
ROCKFORD IL 61111
Facility's Phone: 815-654-2400 — U.S. EPA ID Number: ILD 054356266

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. WASTE OIL NON-HAZARDOUS BY DOT	2	TP	1100	G	000265
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
LS-249C TEST STAND OIL SERIAL No: 96446-9
247BM25

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Michael A Miller — Signature: Michael A Miller — Month 12 Day 10 Year 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JOHN A. LOUSSAERT — Signature — Month 12 Day 10 Year 07

Transporter 2 Printed/Typed Name: JOHN GORDON — Signature — Month 12 Day 12 Year 07

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Robert M Briggs — Signature: Robert M Briggs — Month 12 Day 12 Year 07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

ATTACHMENT 12 Page 2 of 432

ROCK VALLEY *OIL & CHEMICAL CO.*
1911 WINDSOR ROAD ROCKFORD, ILLINOIS 61111 815/654-2400

CERTIFICATE OF ANALYSIS

TEST STAND OIL 249C

Batch Number: 102088

Property	Specification	Result
Viscosity, cSt @ 40 °C:	39.0 – 41.0	40.87
API Gravity @ 60°F:	Report	31.7
FTIR Scan:	Match Std.	Pass
ISO Cleanliness Level:	20/17 Max.	12/08

Norma Kamler
Lab. Technician
July 23, 2008

cknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, copy or duplicate covering the property named herein, and is intended solely for filing or record.

R	CARRIERS NO.	DATE	SHIPPER'S NO.
* Chemical Co	Rv Oilchem	7/23/2008	23876

ject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Shipping Order.

scribed below, in apparent good order, except as noted (contents and condition of contents or packages unknown) marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classifications in effect on eof, if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.
per hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and for himself and his assigns. I.C.C. AND P.U.C. REGULATIONS ALLOW FOR TWO HOURS UNLOADING TIME. DEMURRAGE WILL BE CHARGED FOR ANY EXCESS AT PREVAILING RATES.

PER
Rock Valley Oil & Chem (Rkfd)
1911 Windsor Road
Rockford IL 61111

PO # 904860
CONSIGNEE Sauer Danfoss
2800 East 13th Street
STREET
Ames IA 50010
DESTINATION

ELIVERING ARRIER | ROUTE

NO. OF PACKAGES OR GROSS GALLONS	* H/M	PRODUCT DESCRIPTION	WEIGHT (SUBJECT TO CORR.)	BACKORDER
4000 Bul		Test Stand Oil 249c Non-Hazardous DRIVER CALL TIM ERICKSON 515-239-6257 AND ROGER ELLIOT 515-239-6354 COUPLE HOURS BEFORE DELIVERY batch 102088 Total Weights: TCM # 505866 BATCH #_____ DEL'V OF BULK:NEED 30 FT HOSE NORMAL HOOK-UP FROM TRUCK TO TANK TIME IN TIME OUT OFF LOAD SAMPLING *OFFER CUSTOMER OPPORTUNITY TO TAKE SAMPLES* DID CUSTOMER TAKE SAMPLES? ____ YES ____ NO IF YES, FROM WHERE WERE SAMPLES TAKEN? _____ TRUCK _____ STORAGE TANK **ASK FOR RETURNABLE DRUMS**	29046 Lbs 29046 Lbs	

Subject to Section 7 of conditions of ap cable bill of lading, if this shipment is to delivered to the consignee without recou on the consignor, the consignor shall s the following statement:
The carrier shall not make delivery of shipment without payment of freight anc other lawful charges.

(Signature of Consignor)

If charges are to be prepaid, write or sta here, "To be Prepaid."

Received $ _____
to apply in prepayment of the charges the property described hereon.

Agent or Cashier

Per _____
(The Signature here acknowledges only amount prepaid.)

Charges Advanced: $ _____

EMPTY DRUM CERTIFICATION

I hereby certify that these drums are "empty" that term is defined in the national Environme Protection Agency regulations, 40 CFR 261.7*, that they have been properly prepared for transp tation under the regulations of the U.S. Departm of Transportation, 49 CFR 173.29.**

Date: ____ _____
COMPANY NAME

AUTHORIZED SIGNATURE

*With regard to most regulated residues, EP 40 CFR 261.7 says: "a container…is empty if:
(i) all wastes have been removed that can removed using the practices commonly emplo to remove materials from that type of contai e.g., pouring, pumping, and aspirating, and
(ii) No more than 2.5 centimeters (one inch residue remain on the bottom of the cont er…"

EPA has explained this rule, saying that "one i of waste material is an overriding constraint may remain in an empty container only if it can be removed by normal means. The rationale for provision is that there are certain tars and o extremely viscous materials that will remain in container even after the container is emptied normal means."

For residues of products specifically listed name in 40 CFR 261.33 (e), EPA says the conta is empty only "if the container… has b triple-rinsed using a solvent capable of removi the product, or has been cleaned by another met shown to achieve equivalent removal.

**DOT's 49 CFR 173.29 says that all open on the empty container must be closed, and tha markings and labels must be in place as if the di were full of its original contents. A DOT shipp paper is not required for transportation of a di for reconditioning via contract or private m carrier. DOT placarding is not required for vehi carrying empty containers.

CONTAINERS PICKED UP

Customer states that returnable containers are not available for pick up _____
Rock Valley states that returnable containers were refused for pick up _____

TYPE _____ No. _____ @ _____ = _____
TYPE _____ No. _____ @ _____ = _____

DELIVERED BY _____ RECEIVED BY _____

4000 TOTALS

* MARK WITH "X" TO DESIGNATE HAZARDOUS MATERIAL AS DEFINED IN TITLE 49 OF THE CODE OF FEDERAL REGULATIONS.

ALL UNLOADING DEMURRAGE WILL BE BORNE BY CONSIGNEE

f this shipment moves via "for hire" carrier it shall be governed: (a) as to contract carriers by the applicable contract, or (b) as to common or other carriers by the National Motor Freight Classification uniform bill of lading in effect on date of shipment, if applicable, or by such other bill of lading form or conditions as may be prescribed by government authority. If delivery is made by seller's truck or into vehicle of buyer, bill of lading provisions are not applicable and this document will serve as a delivery receipt.

FOR CHEMICAL EMERGENCY DURING TRANSPORTATION ONLY
Call INFOTRAC
1-800-535-5053
24 Hrs. per day, 7 days per week

Driver certifies that:
1. He has been offered placards.
2. His management has trained him on the hazards of the products to be transported.
3. He has an Emergency Response Guidebook in his vehicle.
4. He is aware that he or his management is to report directly to ROCK VALLEY OIL & CHEMICAL CO. all spills, leaks, overfills, or other release of product that occurs during loading, unloading, or transportation.

DRIVER'S SIGNATURE AND DATE X [signature] 7-31-08

Prior to unloading:
Customer certifies that he has inspected the bill of lading, verified product and volume to be received, furnished unloading instructions to driver, and approved equipment hook up.

RECEIVER'S SIGNATURE AND DATE (PRIOR TO UNLOADING) X [signature]

RECEIVER'S SIGNATURE AND DATE (PRODUCT RECEIPT) X [signature]

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation

1911 WINDSOR ROAD ROCKFORD, IL. 61111
PERMANENT POST OFFICE ADDRESS OF SHIPPER

SHIPPER PER _____

AGENT PER _____

ATTACHMENT 13 Page 4 of 4

Material Safety Data Sheet

Material Name: PARCO® CLEANER 415 **ID: 236174**

* * * Section 1 - Chemical Product and Company Identification * * *

Product Trade Name PARCO® CLEANER 415

Manufacturer Information

Henkel Surface Technologies
Henkel Corporation
32100 Stephenson Highway
Madison Heights, MI 48071

Contact Phone: (248) 583-9300

Chemtrec Emergency # (800) 424-9300

* * * Section 2 - Composition / Information on Ingredients * * *

CAS #	Component	Percent
1310-58-3	Potassium hydroxide	10-30
7320-34-5	Potassium pyrop	1-10
Proprietary	Surfactant (s)	1-10

ALKALINE CLEANER OLD LINE

* * * S ntification * * *

Emergency Overview:

DANGER -- CORROSIVE! Cont ause burns to the skin, eyes and mucous membranes.

Eye Contact:

This product is severely irritating t e eyes and may cause irreversible damage including burns and blindness.

Skin Contact:

Corrosive to the skin. Contact with the skin or mucous membranes may cause severe irritation and burns.

Ingestion:

This product may produce corrosive damage to the gastrointestinal tract if it is swallowed.

Inhalation:

Inhalation of mists of this product may cause severe irritation and burns to the respiratory tract.

Medical Conditions Aggravated by Exposure:

Pre-existing eye, skin and respiratory disorders.

* * * Section 4 - First Aid Measures * * *

Eye Contact:

In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

Skin Contact:

Immediately take off all contaminated clothing. For skin contact, flush with large amounts of water. Seek immediate medical attention.

Ingestion:

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Inhalation:

If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.

First Aid: Notes to Physician

If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

* * * Section 5 - Fire Fighting Measures * * *

Flash Point:	Not applicable	**Method Used:**	Not applicable	**Flammability Classification:**	Non-flammable
Upper Flammable Limit (UFL):	Not applicable	**Lower Flammable Limit (LFL):**	Not applicable		

Fire & Explosion Hazards:
This product is an aqueous mixture which will not burn.

Decomposition Products:
Irritating and toxic gases or fumes may be released during a fire.

Extinguishing Media:
Use any media suitable for the surrounding fires.

Fire-Fighting Instructions:
Firefighters should wear full protective clothing including self contained breathing apparatus.

* * * Section 6 - Accidental Release Measures * * *

Containment Procedures:
Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during clean-up.

Clean-Up Procedures:
Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of collected material according to regulation.

* * * Section 7 - Handling and Storage * * *

Handling Procedures:
Do not get this material in your eyes, on your skin, or on your clothing. Wash thoroughly after handling. Do not inhale vapors or mists of this product. For industrial use only.

NEVER ADD WATER TO PRODUCT. For dilutions, add product slowly to water while stirring. Use caution; heat may be generated.

Storage Procedures:
Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Manufacturer recommends storing above 40 °F. Thaw and mix thoroughly if frozen.

* * * Section 8 - Exposure Controls / Personal Protection * * *

Exposure Guidelines:
A: General Product Information
Follow all applicable exposure limits.

B: Component Exposure Limits
Potassium hydroxide (1310-58-3)
ACGIH: 2 mg/m3 Ceiling
NIOSH: 2 mg/m3 Ceiling

Engineering Controls:
Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.

PERSONAL PROTECTIVE EQUIPMENT
As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a Hazard Assessment of all workplaces to determine the need for, and selection of, proper protective equipment for each task performed.

Eyes/Face Protective Equipment:
Wear chemical goggles; face shield (if splashing is possible).

Skin Protection:

Use impervious gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

Respiratory Protection:

If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Work Practices:

Eye wash fountain and emergency showers are recommended.

* * * Section 9 - Physical & Chemical Properties * * *

Physical State:	Liquid	**Appearance:**	Colorless
Odor:	Bland	**Vapor Pressure:**	Not determined
Vapor Density:	Not determined	**Boiling Point:**	>212 °F (>100 °C)
Specific Gravity:	1.2 - 1.3	**pH:**	14
Viscosity:	Not determined	**VOC:**	Not applicable
Solubility Water:	Complete	**Evaporation Rate:**	Not determined
Percent Volatile:	Not applicable	**Percent Solids:**	Not applicable

* * * Section 10 - Chemical Stability & Reactivity Information * * *

Chemical Stability:

Stable under normal conditions.

Incompatibility:

This product reacts with acids. Adding water to this product may cause localized overheating and splattering.

Decomposition Products:

None expected.

Hazardous Polymerization:

Will not occur.

* * * Section 11 - Toxicological Information * * *

Acute Toxicity:

A: General Product Information

Potassium hydroxide is a corrosive compound that upon contact may result in irreversible damage to the eyes, skin, respiratory system and gastrointestinal tract. Contact may cause severe irritation and burns including blindness, shredding of mucous membranes and esophageal squamous cell carcinoma which is a secondary effect of the tissue destruction.

B: Component Analysis - LD50/LC50

Potassium hydroxide (1310-58-3)
Oral LD50 Rat: 214 mg/kg

Potassium pyrophosphate (7320-34-5)
Dermal LD50 Rabbit: >4640 mg/kg

Carcinogenicity:

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Chronic Toxicity
No information available for the product.

Epidemiology:
No information available for the product.

Neurotoxicity:
No information available for the product.

Mutagenicity:
No information available for the product.

Teratogenicity:
No information available for the product.

Other Toxicological Information:
None available.

*** Section 12 - Ecological Information ***

Ecotoxicity:
A: General Product Information
No data available for this product. Because of the high pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity
Potassium hydroxide (1310-58-3)

Test & Species		Conditions
24 Hr LC50 Gambusia affinis	80.0 mg/L	

Potassium pyrophosphate (7320-34-5)

Test & Species		Conditions
96 Hr LC50 Oncorhynchus mykiss	>100 mg/L	
48 Hr EC50 water flea	>100 mg/L	

Environmental Fate:
No data is available concerning the environmental fate, biodegradation or bioconcentration for this product.

*** Section 13 - Disposal Considerations ***

US EPA Waste Numbers & Descriptions:
A: General Product Information
This product, if discarded directly, would be a characteristic RCRA corrosive waste (D002). This product contains a chelating agent. This chemical contains phosphates.

B: Component Waste Numbers
No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions:
Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

*** Section 14 - Transportation Information ***

US DOT Information
Shipping Name: Please refer to the container label for transportation information.

*** Section 15 - Regulatory Information ***

US Federal Regulations
A: General Product Information
This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Potassium hydroxide (1310-58-3)

CERCLA: 1000 lb final RQ; 454 kg final RQ

SARA 311/312: **Acute:** Yes **Chronic:** No **Fire:** No **Pressure:** No **Reactive:** Yes

State Regulations

A: General Product Information

No additional information available.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Potassium hydroxide	1310-58-3	Yes	No	Yes	Yes	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
WARNING! This product contains a chemical known to the state of California to cause cancer.
WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects.

Other Regulations

A: General Product Information

All components are on the U.S. EPA TSCA Inventory List.

B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Potassium hydroxide	1310-58-3	Yes	Yes	Yes
Potassium pyrophosphate	7320-34-5	Yes	Yes	Yes

C: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Potassium hydroxide	1310-58-3	1 %

*** Section 16 - Other Information ***

NFPA Ratings: Health: 3 **Fire:** 0 **Reactivity:** 1
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe
HMIS Ratings: Health: 3 **Fire:** 0 **Reactivity:** 1
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; NFPA = National Fire Protection Association; HMIS = Hazardous Material Identification System; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; SARA = Superfund Amendments and Reauthorization Act

Material Safety Data Sheet

Material Name: PARCO® CLEANER 415 **ID: 236174**

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which Henkel Surface Technologies bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

Contact: Product Safety and Regulatory Affairs
Contact Phone: (248) 583-9300

This is the end of MSDS # 236174

Material Safety Data Sheet

Material Name: BONDERITE 1070 **ID: 235752DLP505 / IDH No. 593818**

* * * Section 1 - Chemical Product and Company Identification * * *

Product Trade Name BONDERITE 1070

Manufacturer Information

Henkel Surface Technologies
Henkel Corporation
32100 Stephenson Highway
Madison Heights, MI 48071

Contact Phone: (248) 583-9300

Chemtrec Emergency # (800) 424-9300

* * * Section 2 - Composition / Information on Ingredients * * *

CAS #	Component	Percent
Proprietary	Sodium phosphate	10-30
10039-54-0	Hydroxylamine sulfate	1-10
Proprietary	Surfactant, ether phosphate	1-10
127-68-4	Sodium m-nitrobenzenesulfonate	1-10
Proprietary	Sodium xylene sulfonate	1-10

PHOSPHATE COATING

Component Related Regulatory Information

This product may be regulated, have exposur ed as the following: Benzene compounds.

* * * Section 3 - H ification * * *

Emergency Overview:

WARNING! This product is irritating to the eyes, respiratory system and skin.

Eye Contact:

Contact with eyes can cause eye irritation. Prolonged or repeated contact may worsen irritation.

Skin Contact:

This product is irritating to the skin. Prolonged or repeated skin contact may result in redness, burning sensation or dermatitis.

Skin Absorption:

A component in this product may be absorbed through the skin, especially if skin is damaged.

Ingestion:

Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. May produce blood effects (methemoglobinemia and anemia) reducing the blood's ability to transport oxygen.

Inhalation:

Inhalation of vapors or mists of the product may be irritating to the respiratory system.

Medical Conditions Aggravated by Exposure:

Pre-existing eye, skin and respiratory disorders.

* * * Section 4 - First Aid Measures * * *

Eye Contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If irritation persists get medical attention.

Skin Contact:

For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.

Ingestion:

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

Inhalation:

If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.

First Aid: Notes to Physician

Provide general supportive measures and treat symptomatically.

* * * Section 5 - Fire Fighting Measures * * *

Flash Point:	Not applicable	**Method Used:**	Not applicable	**Flammability Classification:**	Non-flammable
Upper Flammable Limit (UFL):	Not applicable	**Lower Flammable Limit (LFL):**	Not applicable		

Fire & Explosion Hazards:

This product is an aqueous mixture which will not burn.

Decomposition Products:

None identified.

Extinguishing Media:

Use any media suitable for the surrounding fires.

Fire-Fighting Instructions:

Firefighters should wear full protective clothing including self contained breathing apparatus.

* * * Section 6 - Accidental Release Measures * * *

Containment Procedures:

Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during clean-up.

Clean-Up Procedures:

Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of collected material according to regulation.

* * * Section 7 - Handling and Storage * * *

Handling Procedures:

Avoid contact with eyes, skin and clothing. Do not take internally. For industrial use only.

Storage Procedures:

Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Manufacturer recommends storing above 40 ºF.

* * * Section 8 - Exposure Controls / Personal Protection * * *

Exposure Guidelines:

A: General Product Information

Follow all applicable exposure limits.

B: Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Engineering Controls:

Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.

PERSONAL PROTECTIVE EQUIPMENT

As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a Hazard Assessment of all workplaces to determine the need for, and selection of, proper protective equipment for each task performed.

Eyes/Face Protective Equipment:

Wear chemical goggles; face shield (if splashing is possible).

Skin Protection:

Use impervious gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

Respiratory Protection:

If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Work Practices:

Eye wash fountain and emergency showers are recommended.

* * * Section 9 - Physical & Chemical Properties * * *

Physical State:	Liquid	**Appearance:**	Yellow
Odor:	None	**Vapor Pressure:**	Not determined
Vapor Density:	Not determined	**Boiling Point:**	>210 °F (>99 °C)
Specific Gravity:	1.14-1.16	**pH:**	2.5-3.5
Viscosity:	Not determined	**VOC:**	Not applicable
Solubility Water:	Complete	**Evaporation Rate:**	Not determined
Percent Volatile:	Not determined	**Percent Solids:**	Not determined

* * * Section 10 - Chemical Stability & Reactivity Information * * *

Chemical Stability:

Stable under normal conditions.

Incompatibility:

May react with strong bases or oxidizing agents.

Decomposition Products:

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Hazardous Polymerization:

Will not occur.

* * * Section 11 - Toxicological Information * * *

Acute Toxicity:

A: General Product Information

Monosodium phosphate is mildly to moderately irritating to the eyes. Prolonged contact with the skin may result in irritation. Large doses may cause nausea, vomiting and diarrhea. Systemic oral toxicity is extremely rare and has consisted of acidosis and hypocalemic tetany.

B: Component Analysis - LD50/LC50

Sodium phosphate (Proprietary)
Oral LD50 Rat: 8290 mg/kg; Dermal LD50 Rabbit: >7940 mg/kg

Hydroxylamine sulfate (10039-54-0)
Oral LD50 Rat: 545 mg/kg; Dermal LD50 Rat: >500 mg/kg; Dermal LD50 Rabbit: 70 mg/kg

Sodium m-nitrobenzenesulfonate (127-68-4)
Oral LD50 Rat: 11 g/kg

Sodium xylene sulfonate (Proprietary)
Oral LD50 Rat: 7200 mg/kg

Carcinogenicity:

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Chronic Toxicity

In a 2 year drinking water study of hydroxylammonium sulfate, hemolytic anemia and angiomatous hyperplasia in the spleen were observed in rats at the highest dose level (80 ppm). An increase in the incidence of hemangiosarcomas was also observed. In female rats, an increase of hemangiomas was observed.

Epidemiology:

No information available for the product.

Neurotoxicity:

No information available for the product.

Mutagenicity:

No information available for the product.

Teratogenicity:

No information available for the product.

Other Toxicological Information:

None available.

* * * Section 12 - Ecological Information * * *

Ecotoxicity:

A: General Product Information

No data available for this product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Hydroxylamine sulfate (10039-54-0)

Test & Species		Conditions
96 Hr LC50 Pimephales promelas	1-10 mg/L	
72 Hr EC50 Scenedesmus subspicatus	0.72 mg/L	
96 Hr EC50 Scenedesmus subspicatus	0.86 mg/L	
48 Hr EC50 Daphnia magna	1.62 mg/L	

Sodium m-nitrobenzenesulfonate (127-68-4)

Test & Species		Conditions
24 Hr LC50 Lepomis macrochirus	<1350 mg/L	
96 Hr LC50 Leuciscus idus	>500 mg/L	
72 Hr EC50 Scenedesmus subspicatus	>500 mg/L	
17 Hr EC50 Pseudomonas putida	>10000 mg/L	
48 Hr EC50 water flea	8665 mg/L	

Environmental Fate:

No data is available concerning the environmental fate, biodegradation or bioconcentration for this product.

* * * Section 13 - Disposal Considerations * * *

US EPA Waste Numbers & Descriptions:

A: General Product Information

Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA. This chemical contains phosphates.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions:

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

* * * Section 14 - Transportation Information * * *

US DOT Information

Shipping Name: Please refer to the container label for transportation information.

* * * Section 15 - Regulatory Information * * *

US Federal Regulations

A: General Product Information

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

SARA 311/312: **Acute:** Yes **Chronic:** No **Fire:** No **Pressure:** No **Reactive:** No

State Regulations

A: General Product Information

No additional information available.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Hydroxylamine sulfate	10039-54-0	No	No	No	No	Yes	No

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
WARNING! This product contains a chemical known to the state of California to cause cancer.
WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects.

Other Regulations

A: General Product Information

All components are on the U.S. EPA TSCA Inventory List.

B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Sodium phosphate	Proprietary	Yes	Yes	Yes
Hydroxylamine sulfate	10039-54-0	Yes	Yes	Yes
Surfactant, ether phosphate	Proprietary	Yes	Yes	No
Sodium m-nitrobenzenesulfonate	127-68-4	Yes	Yes	Yes
Sodium xylene sulfonate	Proprietary	Yes	Yes	Yes

C: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Hydroxylamine sulfate	10039-54-0	1 %
Sodium m-nitrobenzenesulfonate	127-68-4	1 %

* * * Section 16 - Other Information * * *

NFPA Ratings: Health: 2 **Fire:** 0 **Reactivity:** 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe
HMIS Ratings: Health: 2 **Fire:** 0 **Reactivity:** 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; NFPA = National Fire Protection Association; HMIS = Hazardous Material Identification System; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; SARA = Superfund Amendments and Reauthorization Act

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which Henkel Surface Technologies bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

Contact: Product Safety and Regulatory Affairs
Contact Phone: (248) 583-9300

This is the end of MSDS # 235752DLP505 / IDH No. 593818

Material Safety Data Sheet

Material Name: PARCOLENE® 99X **ID: 237977**

* * * Section 1 - Chemical Product and Company Identification * * *

Product Trade Name PARCOLENE® 99X

Manufacturer Information

Henkel Surface Technologies
Henkel Corporation
32100 Stephenson Highway
Madison Heights, MI 48071

Contact Phone: (248) 583-9300

Chemtrec Emergency # (800) 424-9300

* * * Section 2 - Composition / Information on Ingredients * * *

CAS #	Component	Percent
Proprietary	Polymer	1-10

Additional Information:

This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).

* * * Section 3 - Hazards Identification * * *

Emergency Overview:

CAUTION! Liquid is mildly irritati

FINAL
NON CHROME
SEAL

Eye Contact:

This product may cause irritation

Skin Contact:

Not expected to be a primary skii

Skin Absorption:

None expected.

Ingestion:

Ingestion of this product is unlikely. However, ingestion of product may produce gastrointestinal irritation and disturbances.

Inhalation:

Inhalation of vapors or mists of the product may be irritating to the respiratory system.

Medical Conditions Aggravated by Exposure:

None identified.

* * * Section 4 - First Aid Measures * * *

Eye Contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin Contact:

For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.

Ingestion:

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

Inhalation:

If inhaled, immediately remove the affected person to fresh air. Call a physician if symptoms develop or persist.

First Aid: Notes to Physician

No additional information available.

* * * Section 5 - Fire Fighting Measures * * *

Flash Point:	>210° F	**Method Used:**	Calculated	**Flammability Classification:**	Non-flammable
Upper Flammable Limit (UFL):	Not applicable	**Lower Flammable Limit (LFL):**	Not applicable		

Fire & Explosion Hazards:
This product is an aqueous mixture which will not burn.

Decomposition Products:
Irritating and toxic gases or fumes may be released during a fire.

Extinguishing Media:
Use any media suitable for the surrounding fires.

Fire-Fighting Instructions:
Firefighters should wear full protective clothing including self contained breathing apparatus.

* * * Section 6 - Accidental Release Measures * * *

Containment Procedures:
Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during clean-up.

Clean-Up Procedures:
Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of collected material according to regulation.

* * * Section 7 - Handling and Storage * * *

Handling Procedures:
Avoid contact with eyes, skin and clothing. Do not take internally. For industrial use only.

Storage Procedures:
Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.

* * * Section 8 - Exposure Controls / Personal Protection * * *

Exposure Guidelines:
A: General Product Information
Follow all applicable exposure limits.

B: Component Exposure Limits
ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Engineering Controls:
Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.

PERSONAL PROTECTIVE EQUIPMENT
As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a Hazard Assessment of all workplaces to determine the need for, and selection of, proper protective equipment for each task performed.

Eyes/Face Protective Equipment:
Wear chemical goggles.

Skin Protection:
Use impervious gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

Respiratory Protection:
If ventilation is not sufficient to effectively prevent buildup of aerosols or mists, appropriate NIOSH/MSHA respiratory protection must be provided.

Work Practices:
Eye wash fountain and emergency showers are recommended.

*** Section 9 - Physical & Chemical Properties ***

Physical State:	Liquid	**Appearance:**	Brown
Odor:	Mild	**Boiling Point:**	>210 (>98.9 °C)
Specific Gravity:	1.023 @ 60° F	**pH:**	4.0
Viscosity:	14-16 (Kinematic)	**VOC:**	<0.1%
Solubility Water:	Complete	**Percent Solids:**	6.6

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability:
Stable under normal conditions.

Conditions to Avoid:
None.

Incompatibility:
None identified.

Decomposition Products:
None expected.

Hazardous Polymerization:
Will not occur.

*** Section 11 - Toxicological Information ***

Acute Toxicity:

A: General Product Information
No information available for the product.

B: Component Analysis - LD50/LC50
No LD50/LC50's are available for this product's components.

Carcinogenicity:

A: General Product Information
No information available for the product.

B: Component Carcinogenicity
None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Epidemiology:
No information available for the product.

Neurotoxicity:
No information available for the product.

Mutagenicity:
No information available for the product.

Teratogenicity:
No information available for the product.

Other Toxicological Information:
None available.

*** Section 12 - Ecological Information ***

Ecotoxicity:

A: General Product Information
No data available for this product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity
No ecotoxicity data are available for this product's components.

Environmental Fate:
No data is available concerning the environmental fate, biodegradation or bioconcentration for this product.

*** Section 13 - Disposal Considerations ***

US EPA Waste Numbers & Descriptions:

A: General Product Information

All wastes must be handled in accordance with local, state and federal regulations.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions:

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Please refer to the container label for transportation information.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

No additional information available.

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

SARA 311/312: **Acute:** No **Chronic:** No **Fire:** No **Pressure:** No **Reactive:** No

State Regulations

A: General Product Information

No additional information available.

B: Component Analysis - State

None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, or PA.

Other Regulations

A: General Product Information

All components are on the U.S. EPA TSCA Inventory List.

B: Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

*** Section 16 - Other Information ***

NFPA Ratings: Health: 1 **Fire:** 1 **Reactivity:** 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe
HMIS Ratings: Health: 1 **Fire:** 1 **Reactivity:** 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; NFPA = National Fire Protection Association; HMIS = Hazardous Material Identification System; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; SARA = Superfund Amendments and Reauthorization Act

Material Safety Data Sheet

Material Name: PARCOLENE® 99X **ID: 237977**

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which Henkel Surface Technologies bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

Contact: Regulatory Affairs and Product Acceptance
Contact Phone: (248) 583-9300

This is the end of MSDS # 237977

Material Safety Data Sheet

Material Name: PARCO® CLEANER ZX-6

ID: 237783

* * * Section 1 - Chemical Product and Company Identification * * *

Product Trade Name PARCO® CLEANER ZX-6

Manufacturer Information

Henkel Surface Technologies
Henkel Corporation
32100 Stephenson Highway
Madison Heights, MI 48071

Contact Phone: (248) 583-9300

Chemtrec Emergency # (800) 424-9300

* * * Section 2 - Composition / Information on Ingredients * * *

CAS #	Component	Percent
1310-58-3	Potassium hydroxide	10-30
7320-34-5	Tetrapotassium pyrophosphate	1-10
1344-09-8	Sodium silicate	1-10
1310-73-2	Sodium hydroxide	1-10
7632-00-0	Sodium nitrite	1-10
Proprietary	Surfactant(s)	1-10

CLEANER
NEW
ZINC

* * * Se tification * * *

Emergency Overview:

DANGER -- CORROSIVE! Conta urns to the skin, eyes and mucous membranes.
This product is harmful if swallow

Eye Contact:

This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.

Skin Contact:

Corrosive to the skin. Contact with the skin or mucous membranes may cause severe irritation and burns.

Skin Absorption:

A single exposure is not likely to result in the product being absorbed through the skin in harmful amounts.

Ingestion:

This product may be harmful or fatal if swallowed. This product may produce corrosive damage to the gastrointestinal tract if it is swallowed. This product may cause methemoglobinemia characterized by a reduction in oxygen carrying capacity of the blood with symptoms including headache, dizziness, flushed face, fatigue, nausea, vomiting, drowsiness, stupor, tremors, uneven heart action, coma and rarely death.

Inhalation:

Inhalation of mists of this product may cause severe irritation and burns to the respiratory tract.

Medical Conditions Aggravated by Exposure:

Pre-existing eye, skin and respiratory disorders. Preexisting cardiovascular or bone marrow diseases.

* * * Section 4 - First Aid Measures * * *

Eye Contact:

In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

Skin Contact:

Immediately take off all contaminated clothing. For skin contact, flush with large amounts of water. Seek immediate medical attention.

Ingestion:

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Inhalation:

If symptoms are experienced, remove source of contamination or move victim to fresh air. Call a physician if symptoms develop or persist.

First Aid: Notes to Physician

If cyanosis is severe, intravenous injection of methylene blue, 1 mg/kg body weight, may be of value.

* * * Section 5 - Fire Fighting Measures * * *

Flash Point:	>212 °F	**Method Used:**	Calculated	**Flammability Classification:**	Not flammable
Upper Flammable Limit (UFL):	Not applicable	**Lower Flammable Limit (LFL):**	Not applicable		

Fire & Explosion Hazards:

This product is an aqueous mixture which will not burn. This product contains a component which is an oxidizing agent.

Extinguishing Media:

Use methods for the surrounding fire.

Fire-Fighting Instructions:

Firefighters should wear full protective clothing including self contained breathing apparatus.

* * * Section 6 - Accidental Release Measures * * *

Containment Procedures:

Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during clean-up. Block any potential routes to water systems.

Clean-Up Procedures:

Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of collected material according to regulation.

* * * Section 7 - Handling and Storage * * *

Handling Procedures:

Do not get this material in your eyes, on your skin, or on your clothing. Wash thoroughly after handling. Do not inhale vapors or mists of this product. For industrial use only.

NEVER ADD WATER TO PRODUCT. For dilutions, add product slowly to water while stirring. Use caution; heat may be generated. Do not mix this product with material which contain AMINES. NITROSAMINE may be formed.

Storage Procedures:

Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Manufacturer recommends storing above 40 °F. Thaw and mix thoroughly if frozen.

* * * Section 8 - Exposure Controls / Personal Protection * * *

Exposure Guidelines:

A: General Product Information

Follow all applicable exposure limits.

B: Component Exposure Limits

Potassium hydroxide (1310-58-3)

ACGIH: 2 mg/m3 Ceiling
NIOSH: 2 mg/m3 Ceiling

Sodium hydroxide (1310-73-2)
ACGIH: 2 mg/m3 Ceiling
OSHA: 2 mg/m3 TWA
NIOSH: 2 mg/m3 Ceiling

Engineering Controls:
Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.

PERSONAL PROTECTIVE EQUIPMENT
As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a Hazard Assessment of all workplaces to determine the need for, and selection of, proper protective equipment for each task performed.

Eyes/Face Protective Equipment:
Wear chemical goggles; face shield (if splashing is possible).

Skin Protection:
Use impervious gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

Respiratory Protection:
If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Work Practices:
Eyewash fountains and emergency showers are required.

* * * Section 9 - Physical & Chemical Properties * * *

Physical State:	Liquid
Odor:	Mild
Vapor Density:	Not determined
Freezing Point:	Not determined
pH:	>12.5
VOC:	Not applicable
Evaporation Rate:	Not determined
Percent Solids:	41.8%
Appearance:	Pale yellow
Vapor Pressure:	Not determined
Boiling Point:	>210 °F (>98 °C)
Specific Gravity:	1.36 @ 60 °F
Viscosity:	Not determined
Solubility Water:	Complete
Percent Volatile:	Not determined

* * * Section 10 - Chemical Stability & Reactivity Information * * *

Chemical Stability:
Stable under normal conditions.

Incompatibility:
This product reacts with acids. Adding water to this product may cause localized overheating and splattering. This product may react with ammonium compounds and reducing agents, particularly cyanides, thiocyanates and thiosulfates. Sodium nitrite may react with organic amines to form nitrosamines. Sodium nitrite may react with organic amines to form nitrosamines which can cause cancer.

Decomposition Products:
Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

Hazardous Polymerization:
Will not occur.

* * * Section 11 - Toxicological Information * * *

Acute Toxicity:

A: General Product Information

Potassium hydroxide is a corrosive compound that upon contact may result in irreversible damage to the eyes, skin, respiratory system and gastrointestinal tract. Contact may cause severe irritation and burns including blindness, shredding of mucous membranes and esophageal squamous cell carcinoma which is a secondary effect of the tissue destruction.

Sodium hydroxide is an alkaline corrosive that results in severe irritation and burns to the eyes, skin, respiratory system, and gastrointestinal system. Sodium hydroxide has been implicated as a cause of cancer in humans. However, this may be a secondary effect of the tissue destruction and scar formation caused by sodium hydroxide. Embryotoxicity in rats may be attributed to an alteration of pH in the amniotic fluid rather than the sodium hydroxide itself.

B: Component Analysis - LD50/LC50

Potassium hydroxide (1310-58-3)
Oral LD50 Rat: 214 mg/kg

Tetrapotassium pyrophosphate (7320-34-5)
Dermal LD50 Rabbit: >4640 mg/kg

Sodium silicate (1344-09-8)
Oral LD50 Rat: 1153 mg/kg

Sodium hydroxide (1310-73-2)
Dermal LD50 Rabbit: 1350 mg/kg

Sodium nitrite (7632-00-0)
Inhalation LC50 Rat: 5500 µg/m3/4H; Oral LD50 Rat: 88 mg/kg

Carcinogenicity:

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Chronic Toxicity

Ingestion of nitrites may produce toxicity because nitrites convert hemoglobin into methemoglobin. This produces tissue anoxia and development of symptoms including cyanosis, nausea, vertigo, vomiting, abdominal pain, convulsions, coma and possibly death. It has also been reported that sodium nitrite may be absorbed through the skin.

Epidemiology:

No information available for the product.

Neurotoxicity:

No information available for the product.

Mutagenicity:

No information available for the product.

Teratogenicity:

Animal data indicates that sodium nitrite crosses the placenta and can induce methemoglobinemia in the fetus.

Other Toxicological Information:

None available.

* * * Section 12 - Ecological Information * * *

Ecotoxicity:

A: General Product Information

No data available for this product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Potassium hydroxide (1310-58-3)

Test & Species		Conditions
24 Hr LC50 Gambusia affinis	80.0 mg/L	

Tetrapotassium pyrophosphate (7320-34-5)

Test & Species		Conditions
96 Hr LC50 Oncorhynchus mykiss	>100 mg/L	
48 Hr EC50 water flea	>100 mg/L	

Sodium silicate (1344-09-8)

Test & Species		Conditions
96 Hr LC50 Lepomis macrochirus	301-478 mg/L	
96 Hr LC50 Brachydanio rerio	3185 mg/L [semi-static]	
96 Hr EC50 Daphnia magna	216 mg/L	

Sodium hydroxide (1310-73-2)

Test & Species		Conditions
96 Hr LC50 Oncorhynchus mykiss	45.4 mg/L [static]	

Sodium nitrite (7632-00-0)

Test & Species		Conditions
96 Hr LC50 Oncorhynchus mykiss	0.19 mg/L [flow-through]	juvenile

Environmental Fate:

No data is available concerning the environmental fate, biodegradation or bioconcentration for this product.

* * * Section 13 - Disposal Considerations * * *

US EPA Waste Numbers & Descriptions:

A: General Product Information

This product, if discarded directly, would be a characteristic RCRA corrosive waste (D002). This product contains a chelating agent.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions:

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

* * * Section 14 - Transportation Information * * *

US DOT Information

Shipping Name: Please refer to the container label for transportation information.

* * * Section 15 - Regulatory Information * * *

US Federal Regulations

A: General Product Information

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Potassium hydroxide (1310-58-3)

CERCLA: 1000 lb final RQ; 454 kg final RQ

Sodium hydroxide (1310-73-2)

CERCLA: 1000 lb final RQ; 454 kg final RQ

Sodium nitrite (7632-00-0)

SARA 313: 1.0 % de minimis concentration

CERCLA: 100 lb final RQ; 45.4 kg final RQ

SARA 311/312: **Acute:** Yes **Chronic:** Yes **Fire:** No **Pressure:** No **Reactive:** No

State Regulations

A: General Product Information

No additional information available.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Potassium hydroxide	1310-58-3	Yes	No	Yes	Yes	Yes	Yes
Sodium hydroxide	1310-73-2	Yes	No	Yes	Yes	Yes	Yes
Sodium nitrite	7632-00-0	Yes	No	Yes	No	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
WARNING! This product contains a chemical known to the state of California to cause cancer.
WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects.

Other Regulations

A: General Product Information

All components are on the U.S. EPA TSCA Inventory List.

B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Potassium hydroxide	1310-58-3	Yes	Yes	Yes
Tetrapotassium pyrophosphate	7320-34-5	Yes	Yes	Yes
Sodium silicate	1344-09-8	Yes	Yes	Yes
Sodium hydroxide	1310-73-2	Yes	Yes	Yes
Sodium nitrite	7632-00-0	Yes	Yes	Yes
Surfactant(s)	Proprietary	Yes	Yes	Yes

C: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Potassium hydroxide	1310-58-3	1 %
Sodium hydroxide	1310-73-2	1 %
Sodium nitrite	7632-00-0	1 %

* * * Section 16 - Other Information * * *

NFPA Ratings: Health: 3 **Fire:** 0 **Reactivity:** 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe
HMIS Ratings: Health: 3* **Fire:** 0 **Reactivity:** 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; NFPA = National Fire Protection Association; HMIS = Hazardous Material Identification System; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; SARA = Superfund Amendments and Reauthorization Act

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which Henkel Surface Technologies bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

Contact: Product Safety and Regulatory Affairs
Contact Phone: (248) 583-9300

This is the end of MSDS # 237783

Material Safety Data Sheet

Material Name: BONDERITE NT-1 **ID: 237805**

* * * Section 1 - Chemical Product and Company Identification * * *

Product Trade Name BONDERITE NT-1

Manufacturer Information

Henkel Surface Technologies
Henkel Corporation
32100 Stephenson Highway
Madison Heights, MI 48071

Contact Phone: (248) 583-9300

Chemtrec Emergency # (800) 424-9300

* * * Section 2 - Composition / Information on Ingredients * * *

CAS #	Component	Percent
12021-95-3	Fluozirconic acid	<1

* * * Section 3 - Hazards Identification * * *

Emergency Overview:

CAUTION! This product may cause [illegible].

Eye Contact:

This product is irritating

Skin Contact:

This product may cause [illegible] peated contact may worsen irritation.

Skin Absorption:

None identified.

Ingestion:

This product may be harmful

Inhalation:

This product may cause irritation to the respiratory system.

Medical Conditions Aggravated by Exposure:

Pre-existing eye, skin and respiratory disorders.

* * * Section 4 - First Aid Measures * * *

Eye Contact:

In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

Skin Contact:

For skin contact, flush with large amounts of water. Seek immediate medical attention.

Ingestion:

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Inhalation:

If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.

* * * Section 5 - Fire Fighting Measures * * *

Flash Point:	>210 °F	**Method Used:**	Calculated	**Flammability Classification:**	Non-flammable
Upper Flammable Limit (UFL):	Not applicable	**Lower Flammable Limit (LFL):**	Not applicable		

Issue Date: 06/22/05 Revision: 1.0017

Fire & Explosion Hazards:
This product is an aqueous mixture which will not burn. May react with metals to form flammable hydrogen gas.

Decomposition Products:
Irritating and toxic gases or fumes may be released during a fire.

Extinguishing Media:
Use any media suitable for the surrounding fires.

Fire-Fighting Instructions:
Firefighters should wear full protective clothing including self contained breathing apparatus.

* * * Section 6 - Accidental Release Measures * * *

Containment Procedures:
Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during clean-up.

Clean-Up Procedures:
Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of collected material according to regulation.

* * * Section 7 - Handling and Storage * * *

Handling Procedures:
Do not get this material in your eyes, on your skin, or on your clothing. Do not inhale vapors or mists of this product. Wash thoroughly after handling. Do not take internally. For industrial use only.

Storage Procedures:
Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Do not freeze. Manufacturer recommends storing above 40 ºF.

* * * Section 8 - Exposure Controls / Personal Protection * * *

Exposure Guidelines:
A: General Product Information
Follow all applicable exposure limits.

B: Component Exposure Limits
ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Engineering Controls:
Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.

PERSONAL PROTECTIVE EQUIPMENT
As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a Hazard Assessment of all workplaces to determine the need for, and selection of, proper protective equipment for each task performed.

Eyes/Face Protective Equipment:
Wear chemical goggles; face shield (if splashing is possible).

Skin Protection:
Use impervious gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

Respiratory Protection:
If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Work Practices:
Eyewash fountains and emergency showers are required.

* * * Section 9 - Physical & Chemical Properties * * *

Physical State:	Liquid	**Appearance:**	Opaque-White
Odor:	Mild	**Vapor Pressure:**	Not determined
Vapor Density:	Not determined	**Boiling Point:**	>210 °F (>98 °C)
Specific Gravity:	1.004 @ 60°F (16 °C)	**pH:**	2.3
Viscosity:	Not determined	**VOC:**	Not determined
Solubility Water:	Disperses in water as emulsion	**Evaporation Rate:**	Not determined
Percent Volatile:	Not applicable	**Percent Solids:**	<1

* * * Section 10 - Chemical Stability & Reactivity Information * * *

Chemical Stability:
Stable under normal conditions.

Conditions to Avoid:
None expected.

Incompatibility:
Avoid contact with organic materials, oils, greases, and any oxidizable materials. This material will react with glass, concrete, certain metals, silica containing materials, rubber, leather, and many organics. This product may react with strong alkalies.

Decomposition Products:
May liberate hydrogen fluoride. Decomposes with heat to produce oxides of nitrogen.

Hazardous Polymerization:
None expected.

* * * Section 11 - Toxicological Information * * *

Acute Toxicity:
A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

No LD50/LC50's are available for this product's components.

Carcinogenicity:
A: General Product Information

No information available for the product.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Chronic Toxicity
No information available for the product.

Epidemiology:
No information available for the product.

Neurotoxicity:
No information available for the product.

Mutagenicity:
No information available for the product.

Teratogenicity:
No information available for the product.

Other Toxicological Information:
None available.

* * * Section 12 - Ecological Information * * *

Ecotoxicity:

A: General Product Information

No data available for this product. Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Environmental Fate:

No data is available concerning the environmental fate, biodegradation or bioconcentration for this product.

* * * Section 13 - Disposal Considerations * * *

US EPA Waste Numbers & Descriptions:

A: General Product Information

All wastes must be handled in accordance with local, state and federal regulations.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions:

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

* * * Section 14 - Transportation Information * * *

US DOT Information

Shipping Name: Please refer to the container label for transportation information.

* * * Section 15 - Regulatory Information * * *

US Federal Regulations

A: General Product Information

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

SARA 311/312: **Acute:** Yes **Chronic:** Yes **Fire:** No **Pressure:** No **Reactive:** No

State Regulations

A: General Product Information

No additional information available.

B: Component Analysis - State

None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, or PA.

Other Regulations

A: General Product Information

All components are on the U.S. EPA TSCA Inventory List.

B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Fluozirconic acid	12021-95-3	Yes	Yes	Yes

C: Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

* * * Section 16 - Other Information * * *

NFPA Ratings: Health: 2 **Fire:** 0 **Reactivity:** 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe
HMIS Ratings: Health: 2 **Fire:** 0 **Reactivity:** 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; NFPA = National Fire Protection Association; HMIS = Hazardous Material Identification System; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; SARA = Superfund Amendments and Reauthorization Act

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which Henkel Surface Technologies bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

Contact: Product Safety and Regulatory Affairs
Contact Phone: (248) 583-9300

This is the end of MSDS # 237805

OIL SERVICES / WASTE TRACKING

DOCUMENT NO. 1192351

SHIPPER
SAUER DANFOSS
2800 E 13TH ST S
AMES IA 50010
PHONE NUMBER 515 239-6516
US EPA ID NO. IAD056736184
STATE EPA ID NO.

5-053-01

CUSTOMER NUMBER	MANIFEST NUMBER
0000-7755-37	50715

	TRANSPORTER COMPANY NAME	ADDRESS	US EPA ID NUMBER
1	SAFETY-KLEEN SYSTEMS, INC	5400 LEGACY DRIVE PLANO TX 75024	TXR000050930
2			
3			

DESIGNATED HANDLER
SAFETY-KLEEN SYSTEMS, INC. 505301
4704 NE 22ND STREET
DES MOINES IA 50313

US EPA ID NUMBER	IAD981718000
STATE EPA ID NUMBER	
PHONE NUMBER	515 262-2949

HM	US DOT DESCRIPTION	IN EVENT OF EMERGENCY CALL 1-800-468-1760 (24 hours)	CONTAINER NO.	CONTAINER TYPE	TOTAL QUANTITY	UNIT WT/VOL	SK DOT NUMBER
	NON REGULATED MATERIAL, LIQUID		1	TT	2,000	G	0033262

INITIAL APPROPRIATE BOX

OIL SERVICES CERTIFICATION NO. 1

CERTIFICATE OF USED OIL/ANTIFREEZE CLASSIFICATION FOR SHIPMENT FROM A BRANCH TO A PROCESSING FACILITY

I certify that to the best of my knowledge, the used oil contained in this shipment does not contain regulated hazardous waste as defined in 40 CFR 261, and does not require the use of a hazardous waste manifest except in the following states as required by state law: Illinois, Missouri, Michigan, Massachusetts, and New Jersey. The oil has been collected and tested in compliance with 40 CFR 279 and applicable state laws using either:

1) Analytical data regarding the generator's used oil stream, or
2) Knowledge of the generator's process.

In addition, the collection drivers obtained certification from every generator that 40 CFR 261 Part D listed hazardous wastes have not been mixed with the used oil. Documentation supporting the above statements may be found in the files of the shipping facility identified above.

DH
SHIPPER'S INITIALS

OIL SERVICES CERTIFICATION NO. 2

CERTIFICATE OF USED OIL/ANTIFREEZE CLASSIFICATION FOR SHIPMENT FROM AN INTERMEDIATE STORAGE FACILITY TO A PROCESSING FACILITY

I certify that all used oil contained in this shipment has been received at this site accompanied by a Certificate of Used Oil Classification from the collection branch/depot. That certificate ensures that all material was collected in compliance with 40 CFR 279 and the used oil does not contain hazardous waste. Documentation supporting these statements are available at the shipping facilities.

SHIPPER'S INITIALS

MFST R/T#109069111 0000-7755-37
EMERGENCY RESP 800-468-1760(24 HR). IF UNDELIVERABLE RETURN TO GENERATOR.

SKDOT#: A: 33262 B: C: D:

INTERMODAL CERTIFICATION
GROSS CARGO WEIGHT _____ CONTENTS PLUS PACKAGING

SHIPPER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

SHIPPER NAME	Dennis Hennick	SIGNATURE X	Dennis Hennick	SHIPMENT DATE ▷ MONTH DAY YEAR	1 03 08
TRANSPORTER NAME 1	Mike Holbrook	SIGNATURE X	Mike Holbrook	DATE OF RECEIPT MONTH DAY YEAR	1 03 8
TRANSPORTER NAME 2		SIGNATURE X		MONTH DAY YEAR	
TRANSPORTER NAME 3		SIGNATURE X		MONTH DAY YEAR	
RECEIVING FACILITY		SIGNATURE X		MONTH DAY YEAR	

TRUCK/RAIL CAR ID NO

SHIPPER

ATTACHMENT 16 Page 1 of 1

Wed Used Oil

Sauer-Danfoss UF System Operating Logsheet

	Date	1-7-09			
	Time	1:02	3:46	5:02	8:25
	Initials	DA	DA	DA	Dan
UF Panel					
UF Process Tank Level	LIT-7020	81%	82%	82%	81
UF inlet Temp (F)	TT-3023	89.2	98.7	89.6	91.9
UF feed pressure (psi)	PIT-3020	71.6	71.7	71.5	71.4
UF concentrate pressure (psi)	PIT-3021	21.4	21.4	21.4	21.4
UF permeate flow (gpm)	FIT-3022	6.3	6.0	5.8	5.8
Waste Feed (gallons)	FQI-FEED	2964	4090	4504	5651
Permeate produced (gallons)	FQI-3022	1853	2843	3283	4459
Conc. Disposal point (gallons)	FQAH-3022	8242	8242	8242	8242
Totalizer	FQI-3024	0	0	0	0
pH	AIT-7021	9.2	9.4	9.7	9.5
NORTH WEST TANK	% / STATIS	0%P	0%	0%	0%
NORTH EAST TANK	% / STATIS	80%F	85%F	75%P	40%P
SOUTH EAST TANK	% / STATIS	0%	0%P	0%F	15%F
Sludge Tank *	% OR GAL.	1935		1935	1850
Oil Tank *	% OR GAL.	3132		3132	

Notes: INDICATE TANK STATUS BY: F = FILLING

Oil Tank and Sludge Tank Must be documented at the end of each shift * S = SKIMMING P = PULLING FROM

ChemTreat, Inc.

Certificate of Analysis

September 3, 2008

Laboratory No. 08–09–03–14
Company SAUER–DANFOSS
Address 2800 13TH STREET, AMES, IA
Engineer BRENT HANDEL
Sample Date September 2, 2008
Sample Class Waters

Analysis	UF PERMEATE
pH	9.91
Conductivity, µmho	1482
"P"–Alkalinity, as $CaCO_3$, mg/L	189
"M"–Alkalinity, as $CaCO_3$, mg/L	574
Calcium Hardness, as $CaCO_3$, mg/L	8.1
Magnesium Hardness, as $CaCO_3$, mg/L	1.2
Iron, as Fe, mg/L	2.7
Copper, as Cu, mg/L	<0.01
Zirconium, as Zr, mg/L	<0.10
Zinc, as Zn, mg/L	0.30
Sodium, as Na, mg/L	195
Potassium, as K, mg/L	131
Chloride, as Cl, mg/L	25
Sulfate, as SO_4, mg/L	16
Nitrate, as NO_3, mg/L	<1.0
Ortho–Phosphate, as PO_4, mg/L	128
Silica, as SiO_2, mg/L	22
Fluoride, as F, mg/L	7.6
Molybdenum, as Mo, mg/L	0.25
Oil & Grease, mg/L	NES
Polymer, as PAA, mg/L	4.2

WEEKLY TO CITY ACCORDING TO CITY PERMIT

Comments "NES" – Not Enough Sample to perform test.

Respectfully Submitted,

Mark A. Cordrey

Mark A. Cordrey
Manager Customer Service Analytical Lab
ChemTreat, Inc.

CC: BRENT HANDEL

ATTACHMENT 18 Page 1 of 1

M A T E R I A L S A F E T Y D A T A S H E E T

PRODUCT NAME: PLASCRON SEMIGLOSS BLACK **HMIS CODES:** H F R P
PRODUCT CODE: X664 9 1*1 0 G

========== SECTION I - MANUFACTURER IDENTIFICATION ==========

MANUFACTURER'S NAME: Vanex, Inc. **NAME OF PREPARER :** Tammy Maynor
ADDRESS : P.O. Box 987
1700 South Shawnee Street
Mt. Vernon, IL 62864
EMERGENCY PHONE : 618-244-1416 **DATE PRINTED :** 04/10/08
INFORMATION PHONE : 800-851-7390 **FORMULA REVISED :** 02/21/08

========== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ==========

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ Deg F		WEIGHT PERCENT
* BUTYL CELLOSOLVE -subject to Sec. 313	111-76-2	.6	68	9
OSHA PEL: 50 PPM, OSHA TWA: 25 PPM, ACGIH TLV: 25 PPM				
MAGNESIUM ALUMINUM SILICATE	1174-11-7	0	0	<5%
OSHA PEL: 15 MG/M(3), ACGIH TLV:				
# CARBON BLACK -subject to Proj	33-86-4	0	0	0.97
OSHA PEL: 3.5MG/M(3), OSHA TWA: 3.				
SILICA (QUARTZ)	108-60-7	0	0	3.17
OSHA PEL: 10 MG/M(3), OSHA TWA: 0.				

Light Volume Paint Both lines

* Indicates toxic chemical(s) subject to th n 313 of Title III and of 40 CFR 372.

ADDITIONAL HAZARD WARNINGS

Detectable amounts of a chemical known to the State of California to cause cancer and/or birth defects or other reproductive harm may be present in this product. Refer to Section VI (HEALTH HAZARDS) for further information.

========== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS ==========

BOILING RANGE: 212 deg F - 340 deg F **SPECIFIC GRAVITY (H2O=1):** 1.08
VAPOR DENSITY: HEAVIER THAN AIR **WEIGHT PER GALLON :** 9.01 lb/gl
COATING V.O.C. (POUNDS): 2.25 lb/gl **COATING V.O.C. (GRAMS):** 270 g/l
MATERIAL V.O.C.(POUNDS): 1.01 lb/gl **MATERIAL V.O.C.(GRAMS):** 121 g/l
SOLUBILITY IN WATER: Miscible **EVAPORATION RATE:** Slower than ether.
APPEARANCE AND ODOR: Waterborne liquid.

========== SECTION IV - FIRE AND EXPLOSION HAZARD DATA ==========

FLASH POINT: 210 deg F **METHOD USED:** CLOSED CUP
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.1 **UPPER:** 10.6

EXTINGUISHING MEDIA: ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES
Wear positive-pressure, self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS
No unusual fire or explosion hazards are known for this product. As typical of closed containers containing liquid, they may explode when exposed to extreme heat.

========== SECTION V - REACTIVITY DATA ==========

STABILITY: STABLE
CONDITIONS TO AVOID
Excessive heat.

INCOMPATIBILITY (MATERIALS TO AVOID)
Oxidizing material. Hydrofluoric acid is incompatible with the silica(s) in this product.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS
Combustion products: carbon dioxide, carbon monoxide.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

========== SECTION VI - HEALTH HAZARD DATA ==========

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
Vapors of this material may irritate nose, throat, and respiratory passages. Higher concentrations can induce headache, dizziness, nausea, drowsiness, and shortness of breath. Sneezing and dryness of mucous membranes.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE
SKIN CONTACT: No irritation is likely to develop following short contact periods with human skin. Prolonged or repeated exposure can lead to redness, swelling and necrosis.
EYE CONTACT: This material can induce pain and moderate irritation.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
Adverse systemic effects can develop following repeated/prolonged contact with human skin.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
Headache, nausea, drowsiness, fatigue. A single dose of this product is moderately toxic by ingestion.

HEALTH HAZARDS (ACUTE AND CHRONIC)
Inhalation of high concentrations of vapor can induce anemia, liver and kidney injury and clouding of the cornea.
The silica(s) contained in this product can have the following effects:
ACUTE: Can cause upper respiratory irritation.
CHRONIC: Prolonged overexposure by inhalation may cause delayed lung injury/disease (silicosis). Take appropriate measures to avoid breaching dust.
CARCINOGENICITY INFORMATION, UNDER PROPOSITION 65 - STATE OF CALIFORNIA: Carbon black is a chemical known to the state of California to cause cancer.

CARCINOGENICITY: NTP CARCINOGEN: Yes **IARC MONOGRAPHS:** Yes **OSHA REGULATED:** No
The International Agency for Research on Cancer (IARC) has concluded:
Silica (quartz) can cause cancer based on animal data. (Risk from silica(s) depends on duration and level of exposure.) IARC has rated the silica(s) in this product Level 1. Carbon black is a possible human carcinogen rating it Level 2B.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
Dermatitis. Pulmonary and/or pre-existing upper respiratory and lung diseases.

EMERGENCY AND FIRST AID PROCEDURES
SKIN: Remove contaminated clothing and footwear. Wash material off skin with soap and water. If redness, itching or a burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.
EYES: Immediately flush with water for at least 15 minutes and have eyes examined and treated by medical personnel.
INGESTION: Give 1 or 2 glasses of water to drink. Induce vomiting. Refer victim to medical personnel.
INHALATION: Remove victim to fresh air. If cough or other respiratory symptoms develop, consult medical personnel.

========== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE ==========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Dike and contain spill with inert materials (sand, clay, earth, etc.). Transfer the liquid to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

WASTE DISPOSAL METHOD

Dispose of in accordance with all local, state, and federal requirements.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep from freezing. Keep away from heat and open flame. Avoid breathing vapor. Avoid contact with eyes, skin and clothing. Use with ventilation adequate to maintain vapor concentration below the TLV. Containers of product may be hazardous when emptied--all hazard precautions must be observed. KEEP OUT OF REACH OF CHILDREN!

OTHER PRECAUTIONS

Hazardous ingredients notated in Section II as "subject to Sec. 313" are subject to reporting requirements under Section 313 of the Emergency Planning & Community Right-to-Know Act of 1986 and of 40 CFR 372. This information must be included on all MSDS's that are copied and distributed for this product.

========== SECTION VIII - CONTROL MEASURES ==========

RESPIRATORY PROTECTION

Where adequate ventilation is maintained, the use of respiratory equipment is not necessary. However, if the TLV of the product or any component is exceeded, use a MSHA-NIOSH approved respirator.

VENTILATION

Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

PROTECTIVE GLOVES

For repeated contact, use impervious gloves.

EYE PROTECTION

Chemical goggles are not required when adequate ventilation is maintained. Use goggles if eye discomfort is experienced.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

To prevent repeated or prolonged skin contact, wear impervious clothing and shoes.

WORK/HYGIENIC PRACTICES

Remove contaminated clothing immediately. Wash skin area with soap and water. Launder clothes before reuse.

========== SECTION IX - DISCLAIMER ==========

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originated with Vanex or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Satin Black W/R D.T.M. Coating **HMIS CODES: H F R P**
PRODUCT CODE: N-8497 **2 2 0 G**

========== SECTION I - MANUFACTURER IDENTIFICATION ==========

MANUFACTURER'S NAME: NCP Coatings, Inc.
ADDRESS : P.O. Box 307
225 Fort Street
Niles, MI 49120
EMERGENCY PHONE: 1-800-424-9300
REVISION DATE: 11/01/07
DATE PRINTED: 1/30/2008
INFORMATION PHONE: 1-269-683-3377 **NAME OF PREPARER : NCP Technical Staff**

========== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ==========

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP		WEIGHT PERCENT
* 2-Butoxyethanol ACGIH TLV 20 PPM T OSHA PEL 25 PPM TW	111-76-2	0.6	68	6.09
Propylene Glycol Monopr OSHA PEL NE ACGIH TLV NE	107-01-3	1.7	68F	1-5%
Carbon Black OSHA PEL: 3.5 mg/m3 ACGIH TLV: 3.5 mg/m3 TWA	1333-86-4	NE	NE	2.49
* Cobalt Carboxylate Mixture OSHA PEL 0.1 mg/m3 ACGIH TLV NE	27253-31-2	NE	NE	.31

NEW LINE

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

Warning: Detectable amounts of a chemical known to the state of California to cause cancer and/or birth defects or other reproductive harm may be present in this product.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: Yes
OSHA REGULATED: No

All chemicals in this product are listed, or are exempt from listing on the TSCA inventory.

========== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS ==========

BOILING RANGE: 302F - 336F
SPECIFIC GRAVITY (H2O=1): 1.2
VAPOR DENSITY: Heavier than air.
EVAPORATION RATE: SLOWER THAN ETHER
COATING V.O.C.: 2.13
SOLUBILITY IN WATER: Yes

APPEARANCE AND ODOR: Liquid, no significant odor.

========== SECTION IV - FIRE AND EXPLOSION HAZARD DATA ==========

Flash Point : >200 F.(>93 C) **METHOD USED: SETAFLASH**

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.3 **UPPER: 16.9**

EXTINGUISHING MEDIA:
Dry chemical, foam, or CO2.

SPECIAL FIREFIGHTING PROCEDURES

Wear self-contained breathing apparatus, with a full facepiece operated in the positive pressure mode, and full protective clothing. Water may be used to cool closed containers to prevent an increase in pressure and a possible autoignition or explosion of the container contents when exposed to extreme heat.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Keep containers tightly closed. Isolate from heat, sparks, electrical equipment, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions.

========== SECTION V - REACTIVITY DATA ==========

STABILITY:
CONDITIONS TO AVOID
Keep from freezing.

INCOMPATIBILITY (MATERIALS TO AVOID)

Alkaline materials, strong acids and oxidizing materials.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

By fire: carbon monoxide and carbon dioxide.

HAZARDOUS POLYMERIZATION:
Will not occur.

========== SECTION VI - HEALTH HAZARD DATA ==========

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Prolonged or repeated exposure to high concentrations in a confined area may cause respiratory system irritation.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE
Direct eye contact may result in irritation.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
Prolonged or repeated contact can result in absorption through the skin which can cause skin irritation.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May be harmful if ingested.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Inhalation and exposure to high concentrations of vapor can cause eye irritation, liver injury and kidney injury.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
Anesthesia, respiratory tract irritation, dermititis, nausea, and vomiting

EMERGENCY AND FIRST AID PROCEDURES
Inhalation overexposure: Move person to fresh air. If breathing stops, apply artificial respiration and seek immediate medical attention.
Eye contact: Flush with large quantities of water for 15 minutes. Skin contact: Wash thoroughly with soap and water and see a doctor. Ingestion: Do not induce vomiting. It can cause chemical pneumonitis and/or pulmonary edema. Contact physician immediately.

========== **SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE** ==========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Eliminate all sources of ignition. Provide good ventilation and minimize the breathing of vapors and avoid skin contact.Dike spill area and absorb the spilled liquid with earth, sawdust or a commercially available absorbent. Shovel spent absorbent into recovery or salvage drums for appropriate disposal.

WASTE DISPOSAL METHOD

Dispose material in accordance with all local, state, and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid storage in high temperature areas or near fire or open flame. Keep containers closed when not in use. Avoid rough handling.

OTHER PRECAUTIONS
Containers of this material may be hazardous when empty. Do not weld or flame cut on empty containers. Shock from dropping may rupture container.

Cobalt and cobalt compounds are classified by IARC as possibly carcinogenic to humans (Group 2B) based on experimental animal data, however, there is inadequate evidence in humans for its carcinogenicity.

========== SECTION VIII - CONTROL MEASURES ==========

RESPIRATORY PROTECTION

Wear an appropriate (Type TC-23C-49) properly fitted half-mask or a full facepiece NIOSH approved cartridge respirator during and after coating application unless air monitoring demonstrates vapor/mist levels are below the permissable limits. Follow respirator manufacturer's directions for use.

VENTILATION
Sufficient ventilation in volume and pattern should be provided to keep the air concentration below current applicable OSHA PEL's or ACGIH TLV's. Remove decomposition products formed during welding or flame cutting of surfaces coated with this product. For baking finishes, vent vapors emitted during the curing process.

PROTECTIVE GLOVES

Wear chemical resistant (Nitrile or Viton) gloves to prevent skin contact.

EYE PROTECTION

Use chemical goggles, safety glasses, or a face shield.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Use impermeable aprons and protective clothing whenever possible to prevent skin contact. The use of head caps is strongly recommended.

WORK/HYGIENIC PRACTICES
Wash hands before eating, smoking, or using restroom.

========== SECTION IX - DISCLAIMER ==========

The foregoing data has been compiled from sources which the company, in good faith, believes to be dependable and is accurate and reliable to the best of our knowledge and belief. However, the company cannot make any warranty or representation respecting the accuracy or completeness of the data and assumes no responsibility for any liability or damages relating thereto or for advising you regarding the protection of your employees, customers, or others. User should consult OSHA and other applicable safety laws and regulations before use.

P.O. BOX 19276 SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

PLEASE TYPE (Form designed for use on elite (12-pitch) typewriter.)

5-053-01

State Form LPC 62 8/81 IL532-0610

EPA Form 8700-22 (Rev. 6-89)

Form Approved. OMB No. 2050-0039

UNIFORM ~~HAZARDOUS~~ WASTE MANIFEST

1. Generator's US EPA ID No.: IAD056736184

Manifest Document No.: 36804

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but is required by Illinois law.

3. Generator's Name and Mailing Address / Location If Different

SAUER DANFOSS
2800 E 13TH ST S
AMES IA 50010

4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS* 515 239-6516

A. Illinois Manifest Document Number: IL 11251417 FEE PAID IF APPLICABLE

B. Generator's IL ID Number: 9190019990

5. Transporter 1 Company Name: SAFETY-KLEEN SYSTEMS, INC

6. US EPA ID Number: TXR000050930

C. Transporter's ID Number: UPW151288IL

D. Transporter's Phone ( ) 515 262-2949

7. Transporter 2 Company Name

8. US EPA ID Number

E. Transporter's ID Number

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address 000654
SAFETY-KLEEN SYSTEMS, INC.
633 E 138TH ST
DOLTON, IL 60419

10. US EPA ID Number: ILD980613913

G. Facility's IL ID Number: 0310690006

H. Facility's Phone (708) 225-8100

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. PAINT (NOT USDOT OR USEPA HAZARDOUS MATERIAL)	002	DM	00085	G	EPA HW Number NONE
b.					EPA HW Number
c.					EPA HW Number
d.					EPA HW Number

J. Additional Description for Materials Listed Above

K. Handling Codes for Wastes Listed Above In Item #14: H141

15. Special Handling Instructions and Additional Information

MFST R/T#106567840 0000-7755-37
EMERGENCY RESP 800-468-1760(24 HR). IF UNDELIVERABLE RETURN TO GENERATOR.
SK CORP AUTHORIZED TO RETAIN LICENSED SUBSEQUENT CARRIERS AS NECESSARY.
SKDOT# A: 5502 B: C: D:

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR,** if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: Dennis Hennick — Signature — Date (Month Day Year): 09 01 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: James Harper — Signature — Date (Month Day Year): 09 01 06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of ~~hazardous~~ materials covered by this manifest except as noted in item 19.

Printed/Typed Name: A. Ross — Signature — Date (Month Day Year): 09 13 06

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed $25,000 per day of violation. Falsification of this information may result in a fine up to $50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

A)1800865/1105104

ATTACHMENT 10 Page 1 of 1

M A T E R I A L S A F E T Y D A T A S H E E T

PRODUCT NAME: BREAKTHROUGH EQUIPMENT CLEANER
PRODUCT CODE: 49 0

HMIS CODES: H F R P
1 1 0 G

========== SECTION I - MANUFACTURER IDENTIFICATION ==========

MANUFACTURER'S NAME: Vanex, Inc.
ADDRESS : P.O. Box 987
1700 South Shawnee Street
Mt. Vernon, IL 62864
EMERGENCY PHONE : 618-244-1416
INFORMATION PHONE : 800-851-7390

NAME OF PREPARER : Tammy Maynor
DATE PRINTED : 08/22/01
FORMULA REVISED : 02/28/96

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ======

REPORTABLE COMPONENTS CAS NUMBER	VAPOR PRESSURE mm Hg @ Deg F	WEIGHT PERCENT
* BUTYL CELLOSOLVE 111-76-2	-subject to Sec. 313 .6 68	33

OSHA PEL: 50 PPM, OSHA TWA: 25 PPM, ACGIH TLV: 25 PPM

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.
ADDITIONAL HAZARD WARNINGS:
Not applicable.

========= SECTION III - PH[illegible]MICAL CHARACTERISTICS ==========

BOILING RANGE: 21[illegible]
VAPOR DENSITY: [illegible]
COATING V.O.C. ([illegible]
EVAPORATION RATE[illegible]
APPEARANCE AND OD[illegible]

SPECIFIC GRAVITY (H2O=1): 0.97
EIGHT PER GALLON: 8.04 lb/gl
ATING V.O.C. (GRAMS): 884 g/l
UBILITY IN WATER: Miscible

Both Paint Lines Clean Tips

========== SECTI[illegible]OSION HAZARD DATA ==========

FLASH POINT: 210 deg[illegible] METHOD USED: CLOSED CUP
FLAMMABLE LIMITS IN [illegible]Y VOLUME- LOWER: 1.1 UPPER: 10.6

EXTINGUISHING MEDIA: ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES
Wear positive-pressure, self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS
No unusual fire or explosion hazards are known for this product. As typical of closed containers containing liquid, they may explode when exposed to extreme heat.

========== SECTION V - REACTIVITY DATA ==========

STABILITY: STABLE
CONDITIONS TO AVOID
Excessive heat.

INCOMPATIBILITY (MATERIALS TO AVOID)
Oxidizing material.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS
Combustion products: carbon dioxide, carbon monoxide.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

========== SECTION VI - HEALTH HAZARD DATA ==========
49 0 PRODUCT NAME: BREAKTHROUGH EQUIPMENT CLEANER

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
Vapors of this material may irritate nose, throat, and respiratory passages. Higher concentrations can induce headache, dizziness, nausea, drowsiness, and shortness of breath. Sneezing and dryness of mucous membranes.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE
SKIN CONTACT: No irritation is likely to develop following short contact periods with human skin. Prolonged or repeated exposure can lead to redness, swelling and necrosis.
EYE CONTACT: This material can induce pain and moderate irritation.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
Adverse systemic effects can develop following repeated/prolonged contact with human skin.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
Headache, nausea, drowsiness, fatigue. A single dose of this product is moderately toxic by ingestion.

HEALTH HAZARDS (ACUTE AND CHRONIC)
Inhalation of high concentrations of vapor can induce anemia, liver and kidney injury and clouding of the cornea.

CARCINOGENICITY:
NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No
Not applicable.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
Lung diseases. Dermatitis.

EMERGENCY AND FIRST AID PROCEDURES
SKIN: Remove contaminated clothing and footwear. Wash material off skin with soap and water. If redness, itching or a burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.
EYES: Immediately flush with water for at least 15 minutes and have eyes examined and treated by medical personnel.
INGESTION: Give 1 or 2 glasses of water to drink. Induce vomiting. Refer victim to medical personnel.
INHALATION: Remove victim to fresh air. If cough or other respiratory symptoms develop, consult medical personnel.

======= SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE ========
49 0 PRODUCT NAME: BREAKTHROUGH EQUIPMENT CLEANER

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Dike and contain spill with inert materials (sand, clay, earth, etc.). Transfer the liquid to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

WASTE DISPOSAL METHOD
Dispose of in accordance with all local, state, and federal requirements.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep from freezing. Keep away from heat and open flame. Avoid breathing vapor. Avoid contact with eyes, skin and clothing. Use with ventilation adequate to maintain vapor concentration below the TLV. Containers of product may be hazardous when emptied--all hazard precautions must be observed. KEEP OUT OF REACH OF CHILDREN!

OTHER PRECAUTIONS
Hazardous ingredients notated in Section II as "subject to Sec. 313" are subject to reporting requirements under Section 313 of the Emergency Planning & Community Right-to-Know Act of 1986 and of 40 CFR 372. This information must be included on all MSDS's that are copied and distributed for this product.

========== SECTION VIII - CONTROL MEASURES ==========

RESPIRATORY PROTECTION
Where adequate ventilation is maintained, the use of respiratory equipment is not necessary. However, if the TLV of the product or any component is exceeded, use a MSHA-NIOSH approved respirator.

VENTILATION
Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

PROTECTIVE GLOVES
For repeated contact, use impervious gloves.

EYE PROTECTION
Chemical goggles are not required when adequate ventilation is maintained. Use goggles if eye discomfort is experienced.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT
To prevent repeated or prolonged skin contact, wear impervious clothing and shoes.

WORK/HYGIENIC PRACTICES
Remove contaminated clothing immediately. Wash skin area with soap and water. Launder clothes before reuse.

========== SECTION IX - DISCLAIMER ==========

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originated with Vanex or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

49 0 PRODUCT NAME: BREAKTHROUGH EQUIPMENT CLEANER

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IAD056736184

2. Page 1 of

4. Manifest Tracking Number: 001798330 FLE

Mark Fee.

GENERATOR

5. Generator's Name and Mailing Address
Sioux Biochem
2800 E 13Th St S
Ames, IA 50010
Generator's Phone: 999 999-9999 ATTN: Mark Loynachan

than mailing address)

6. Transporter 1 Company Name: Clean Harbors Environmental Services Inc
U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name: Smith System Transportation
U.S. EPA ID Number: MND946362133

8. Designated Facility Name and Site Address
Clean Harbors El Dorado LLC
309 American Circle
El Dorado, AR 71730
Facility's Phone: (870) 863-7173
U.S. EPA ID Number: ARD089748102

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN1263,WASTE PAINT RELATED MATERIAL,(ADHESIVES, SILICONE),3,PG II DOT-SP-13937, DOT-SP13192	001	CF	00013	P	D001		
X	2. UN1993,WASTE FLAMMABLE LIQUIDS, N.O.S.,(PENTANE DYNAMARK LETRASET),3,PG II DOT-SP-13937, DOT-SP-13192	001	CF	00010	P	D001		
X	3. UN3287,TOXIC LIQUID, INORGANIC, N.O.S.,(HYDRAULIC OIL, DYE),6.1,PG II DOT-SP-13937, DOT-SP-13192	001	CF	00003	P			
X	4. UN2735,WASTE AMINES, LIQUID, CORROSIVE, N.O.S.,(AMINES),8,PG II DOT-SP-13937, DOT-SP-13192	001	CF	00005	P	D002		

14. Special Handling Instructions and Additional Information
1. LPTN LP 1x10
2. LCCRD 1x10
3. LCCRC 1x5
4. LCCRB 1x5

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: ~~Mark Loynachan~~ JASON HUSSKE
Signature:
Month: 04 Day: 09 Year: 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Kyle Dagestad
Signature:
Month: 04 Day: 09 Year: 08

Transporter 2 Printed/Typed Name: Gerrin Conchl
Signature:
Month: 04 Day: 17 Year: 08

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040	H040	H040	H040

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Kevin Elliott
Signature:
Month: 04 Day: 10 Year: 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

ATTACHMENT 22 Page 1 of 5

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: IADO56736184

22. Page: 2/3

23. Manifest Tracking Number: 00179833OFLE

24. Generator's Name: Sivan Dunkel

25. Transporter 3 Company Name: Clean Harbors ENV Services

U.S. EPA ID Number: VAH039322250

26. Transporter 4 Company Name: SET EXPRESS INC

U.S. EPA ID Number: UTD 988552425

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes

32. Special Handling Instructions and Additional Information

TRANSPORTER

33. Transporter 3 Acknowledgment of Receipt of Materials

Printed/Typed Name: ED AVILA | Signature | Month: 04 | Day: 24 | Year: 08

34. Transporter ____ Acknowledgment of Receipt of Materials

Printed/Typed Name: JOSE ALFONZO | Signature | Month: 5 | Day: 3 | Year: 08

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number

22. Page 3/3

23. Manifest Tracking Number

24. Generator's Name

25. Transporter _____ Company Name

U.S. EPA ID Number

26. Transporter 4 Company Name

U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes

GENERATOR

32. Special Handling Instructions and Additional Information

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Materials

Printed/Typed Name: ED AVILA | Signature | Month: 04 | Day: 24 | Year: 06

34. Transporter _____ Acknowledgment of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number	22. Page	23. Manifest Tracking Number
IAD056736184	3 of 3	001798330 FLE

24. Generator's Name: Sauer Danfoss

25. Transporter 5 Company Name: CleanHarbors Environmental Services — U.S. EPA ID Number: MAD039322250

26. Transporter _____ Company Name — U.S. EPA ID Number

GENERATOR

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes

32. Special Handling Instructions and Additional Information

TRANSPORTER

33. Transporter 5 Acknowledgment of Receipt of Materials
Printed/Typed Name: J.L Williamson (agent for CHES) Signature: J.L Williamson Month: 5 Day: 5 Year: 08

34. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: JAD056736184

22. Page: 3 of 3

23. Manifest Tracking Number: 001792330 FLE

24. Generator's Name: Sauer Donuts

25. Transporter 5 Company Name: CleanHarbors Environmental Services

U.S. EPA ID Number: MAD039322250

26. Transporter _____ Company Name

U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes

32. Special Handling Instructions and Additional Information

GENERATOR

TRANSPORTER

33. Transporter 5 Acknowledgment of Receipt of Materials

Printed/Typed Name: J.C. Williamson (Agent for CHES) Signature: J.C. Williamson Month: 5 Day: 5 Year: 08

34. Transporter _____ Acknowledgment of Receipt of Materials

Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

ATTACHMENT 22 Page 5 of 5

Public Works

Resource Recovery

John Pohlman, Superintendent
110 Center Avenue
Ames, IA 50010
Phone: 515-239-5137
Toll Free: 1-877-639-5661
Fax: 515-239-5490
E-mail: rrp@city.ames.ia.us

Hours: Monday-Friday, 7 a.m. - 3:30 p.m.
Saturday, 8 a.m. - noon

We're Turning Garbage Into Energy!

The Arnold O. Chantland Resource Recovery Plant (RRP) was the first municipally operated waste-to-energy facility in the nation and was built in 1975. The plant receives garbage from Ames and the surrounding communities in Story County. Private contractors are available to haul garbage, but citizens can do it themselves.

We are a plant that recovers reusable metals and garbage. We recycle everything we can. The metal is extracted by giant magnets and sold to a scrap dealer for recycling. The rest of the garbage is shredded by machines and falls into two categories:

The **burnable** portion of the garbage becomes Refuse Derived Fuel, or RDF, which is piped to the City's power plant. It is used as a renewable, supplemental fuel in the coal boilers to generate electricity. This way we not only help to conserve precious fossil fuels, but sulfur dioxide emissions also decrease when coal is burned with RDF.

The **non-burnable** material is sent to a landfill. Since it is shredded, it takes up much less volume in the landfill than it would if it were buried whole.

Through this process more than 80 acres of Iowa farmland have been saved from becoming a landfill!

In addition, more than 4,600 homes are provided electricity each year.

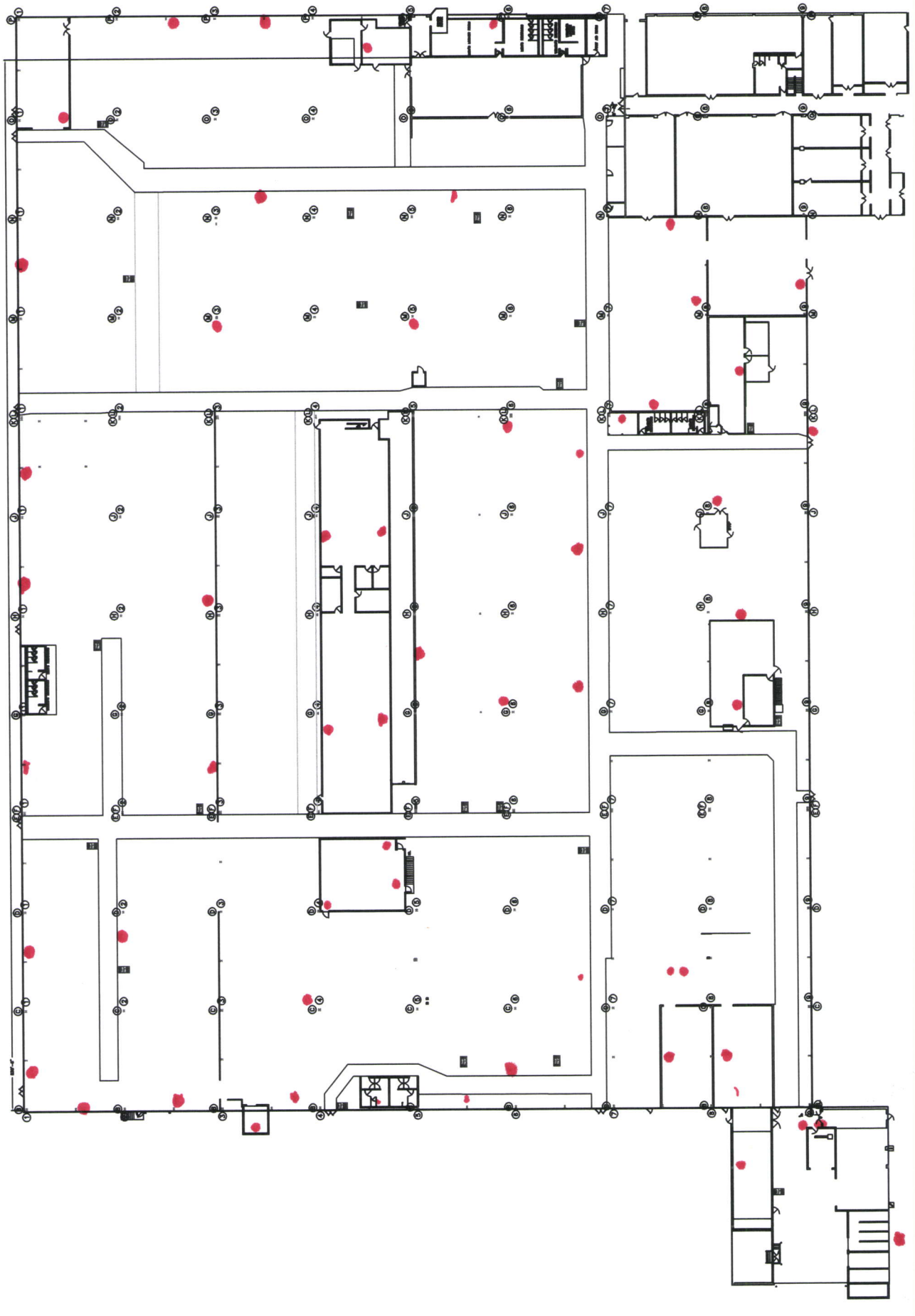
If you have further questions about waste disposal, please call the Resource Recovery Plant at 515-239-5137.

ATTACHMENT 23 Page 1 of 1

Fire Extinguisher Location

FRONT

N



HANDLER INFORMATION REPORT

December 29, 2008

PROCEDURES for Inspectors/Investigators/etc. performing Site Visits

Present the Facility representative with a copy of their:

- Handler Information Report (attached)
- Copy of the current Notification Form (attached)
- Copy of the current Notification Booklet (attached)

Our instructions to them are printed on their Handler Information Report - and should be self explanatory. If the facility wants to revise their Handler Information Report, they can do so and mail it back to EPA - or have the inspector deliver it.

If during the course of the site visit, the inspector/investigator becomes aware of any changes which should be made to the information printed on this form, please make the corrections and return the form to: Lisa Haugen, ARTD/RESP.

EPA RCRA ID Number:	IAD056736184
Name of Company/Site:	SAUER-DANFOSS CORP
Location of Site:	2800 E 13TH ST AMES, IA 50010 STORY County
Land Type:	Private
NAICS:	333996 - Fluid Power Pump and Motor Manufacturing
Mailing Address:	2800 E 13TH ST AMES, IA 50010
Site Contact:	~~GERALD EDGAR~~ BARY ERICKSON
Phone Number:	~~515-239-6080~~ 515-239-6539
Address:	2800 E 13TH ST AMES, IA 50010
Email:	GEDGAR@SAUER-DANFOSS.COM
Current Owner of Site:	SAUER-DANFOSS CORPORATION
Phone Number:	(515)239-6000
Owner Type:	Private
Current Operator of Site:	SAUER-DANFOSS CORPORATION
Phone Number:	(515)239-6000
Operator Type:	Private
TYPE(S) OF REGULATED ACTIVITY:	Federal Conditionally Exempt SQG
Hazardous Wastes Handled:	UOIL D001 UNIVERSAL WASTE LAMPS

I 09/18/08 3 1st N 03/04/96 N 04/28/08 3

Certified by State/EPA on 09/18/08 by
JIM L LYNCH 09/18/08
NOWCC/SEE INVESTIGATOR

ATTACHMENT 25 Page 1 of 1

Date of Site Visit: JANUARY 6-7, 2009

DIGITAL IMAGE CHAIN OF CUSTODY FOR "ARCHIVAL" ORIGINAL IMAGES

IMAGE RECORD

PHOTOGRAPHER **Civil Investigator Glenn Cherry**	INCIDENT NUMBER/Facility EPA identification number **IAD056736184**
DATE PHOTOS TAKEN **January 6-7, 2009**	IMAGE NUMBERS FOR THIS INCIDENT **1757 thru 1773**
LOCATION(S) PHOTOS TAKEN **2800 E 13th Street Ames, IA 50010**	THESE IMAGES HAVE NOT BEEN CHANGED, ALTERED OR MANIPULATED IN ANY WAY
COMMENTS	SIGNATURE OF PHOTOGRAPHER Glenn Cherry 1-16-09

ACCESS RECORD

Name	Organization/Division	Phone Number	

FACILITY PHOTOGRAPH LOG

1. Photographer Civil Investigator Glenn Cherry
2. Facility Name **Sauer-Danfoss Corporation**
3. Facility EPA Identification Number **IAD056736184**
4. Type of Camera Used Canon PowerShot G6, Serial Number 9121104676
5. Digital recording media Flash Card
6. All photos were copied by Glenn Cherry
7. All digital photos were copied To CD-R
8. Original Copy is stored in **CD ROM**
9. **Log**

Date	Time (Camera recorded time)	Photo Filename	Modifications made to digital image (if any)	Description of Image
1/6/09	1502	1757	None	Starting photo for inspection
1/6/09	1616	1758	None	Collection container for metal shavings
1/6/09	1630	1759	None	Universal waste lamp storage (open container)
1/6/09	1632	1760	None	Universal waste lamp storage (open containers)
1/6/09	1639	1761	None	Settling tank for wastewater treatment
1/6/09	1639	1762	None	Oily water storage tank (sent to Safety Kleen)
1/6/09	1704	1763	None	Vacuum for used oil pick-up from machines
1/6/09	1704	1764	None	Used oil storage tank about half full
1/6/09	1705	1765	None	Close-up photo of used oil storage tank label
1/6/09	1711	1766	None	Robot paint gun in new paint line
1/6/09	1712	1767	None	Close-up or robot paint gun arm
1/7/09	1234	1768	None	Solvent supplied parts washer
1/7/09	1246	1769	None	Corrected universal waste lamp storage
1/7/09	1248	1770	None	Scrap metal storage area
1/7/09	1306	1771	None	Front of facility and GPS location
1/7/09	1306	1772	None	Inspection closing photo

SAUER-DANFOSS CORPORATION
IAD056736184
2800 E 13th ST
Ames, IA 50010
Story County

January 6-7, 2009

Civil Investigator Glenn Cherry

Photo 1 of 17

Sauer-Danfoss Corporation
IAD056736184
2800 E 13th Street Ames, IA 50010
January 6-7, 2008
Civil Investigator Glenn Cherry
Dumpster type container for collecting metal shavings for recycling
Photo 2 of 17

ATTACHMENT 28 Page 3 of 17

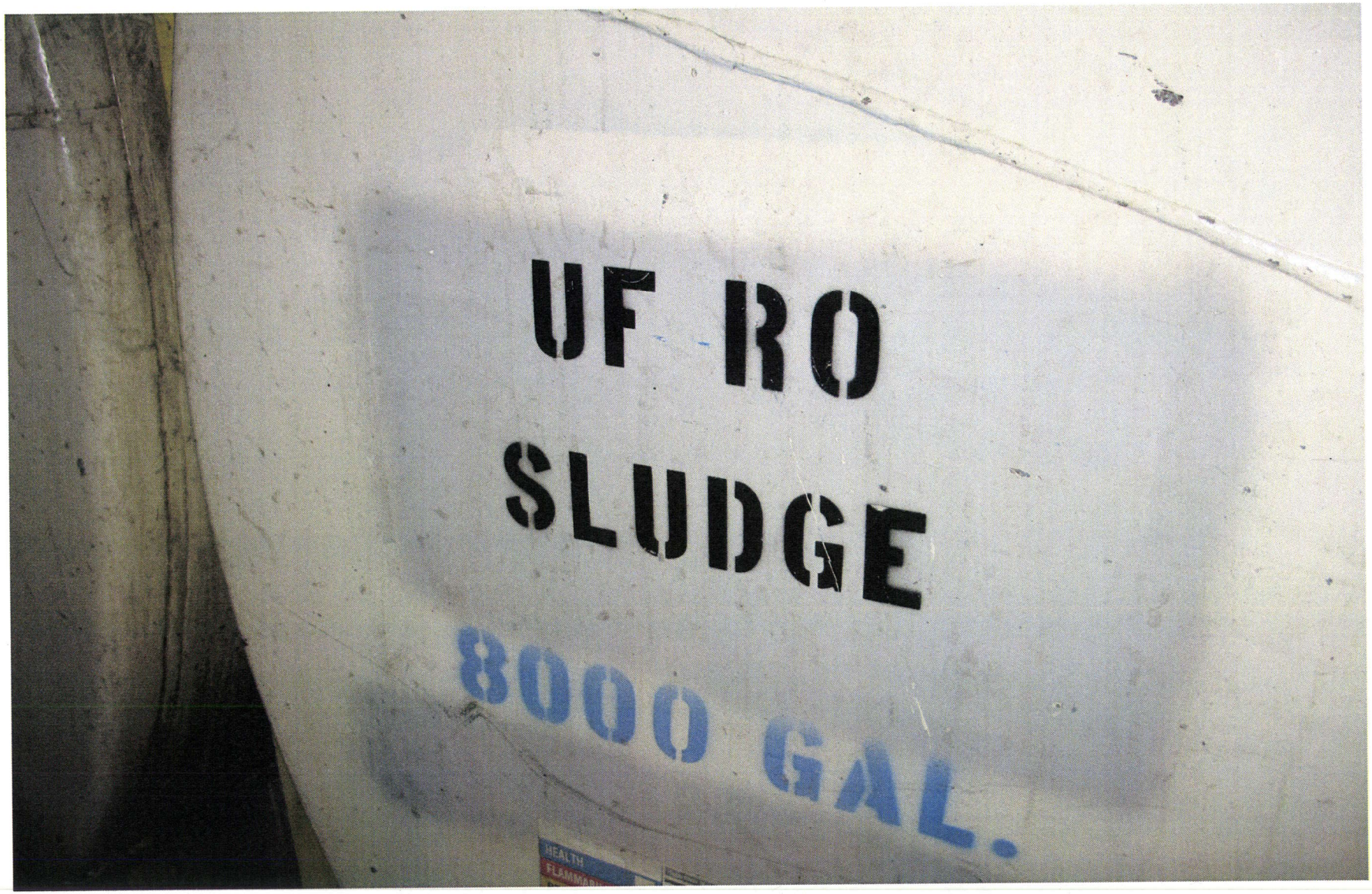
Sauer-Danfoss Corporation
IAD056736184
2800 E 13th Street Ames, IA 50010
January 6-7, 2008
Civil Investigator Glenn Cherry
Universal waste lamps in an open container (**violation cited)**
Photo 3 of 17

ATTACHMENT 28 Page 3 of 17

Sauer-Danfoss Corporation
IAD056736184
2800 E 13th Street Ames, IA 50010
January 6-7, 2008
Civil Investigator Glenn Cherry
Universal waste lamps in open containers (violation cited)
Photo 4 of 17

ATTACHMENT 28 Page 24 of 17

Sauer-Danfoss Corporation
IAD056736184
2800 E 13th Street Ames, IA 50010
January 6-7, 2008
Civil Investigator Glenn Cherry
Ultra filtration settling tank
Photo 5 of 17



ATTACHMENT 28 Page 5 of 17

Sauer-Danfoss Corporation
IAD056736184
2800 E 13th Street Ames, IA 50010
January 6-7, 2008
Civil Investigator Glenn Cherry
Storage tank for oily water to be picked up by Safety Kleen
Photo 6 of 17

ATTACHMENT 28 Page 6 of 12

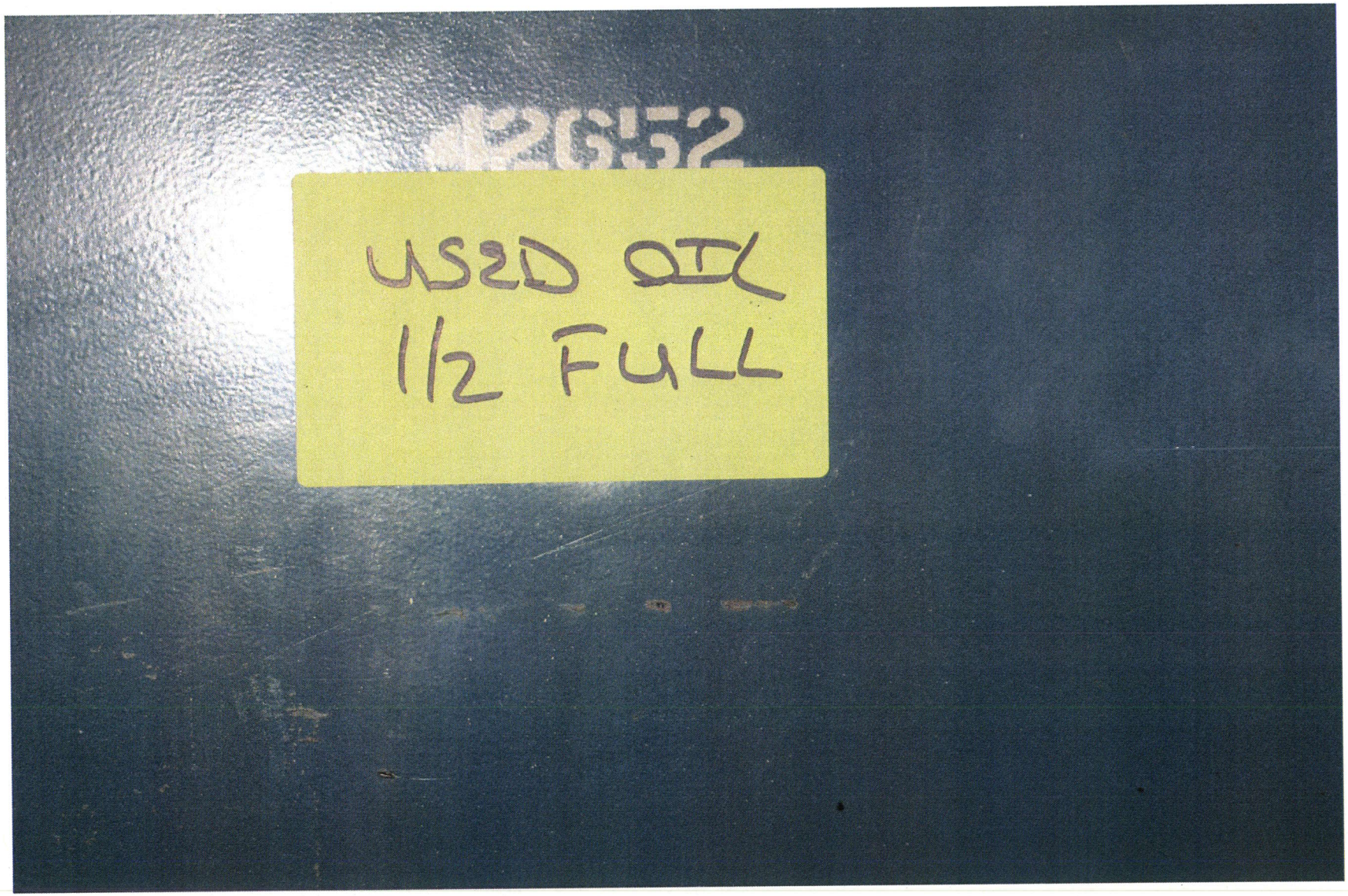
Sauer-Danfoss Corporation
IAD056736184
2800 E 13th Street Ames, IA 50010
January 6-7, 2008
Civil Investigator Glenn Cherry
Vacuum system for removing used oil from metalworking equipment during service/repair
Photo 7 of 17

ATTACHMENT 28 Page 7 of 17

Sauer-Danfoss Corporation
IAD056736184
2800 E 13th Street Ames, IA 50010
January 6-7, 2008
Civil Investigator Glenn Cherry
Storage tank for used hydraulic oil that is picked up, recycled, and returned to Sauer-Danfoss
Photo 8 of 17

ATTACHMENT 28 Page 8 of 17

Sauer-Danfoss Corporation
IAD056736184
2800 E 13th Street Ames, IA 50010
January 6-7, 2008
Civil Investigator Glenn Cherry
Close-up of used oil label on used oil storage tank
Photo 9 of 17



ATTACHMENT 28 Page 9 of 17

Sauer-Danfoss Corporation
IAD056736184
2800 E 13th Street Ames, IA 50010
January 6-7, 2008
Civil Investigator Glenn Cherry
Robot paint spray booth. Note cleaner and cup on cabinet at left side of photo. This is used to clean the paint gun tips
Photo 10 of 17

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Sauer-Danfoss Corporation
IAD056736184
2800 E 13th Street Ames, IA 50010
January 6-7, 2008
Civil Investigator Glenn Cherry
Close-up of robot paint gun arm and paint gun
Photo 11 of 17

ATTACHMENT 38 Page 11 of 17

Sauer-Danfoss Corporation
IAD056736184
2800 E 13th Street Ames, IA 50010
January 6-7, 2008
Civil Investigator Glenn Cherry
One of two solvent based parts washers serviced by Safety Kleen
Photo 12 of 17

ATTACHMENT 28 Page 12 of 17

Sauer-Danfoss Corporation
IAD056736184
2800 E 13th Street Ames, IA 50010
January 6-7, 2008
Civil Investigator Glenn Cherry
Photo of universal waste storage after the containers were closed by Sauer-Danfoss
Photo 13 of 17

ATTACHMENT 28 Page 13 of 17

Sauer-Danfoss Corporation
IAD056736184
2800 E 13th Street Ames, IA 50010
January 6-7, 2008
Civil Investigator Glenn Cherry
Storage area for scrap metal to be recycled. Each dumpster contains a different type of metal
Photo 14 of 17

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Sauer-Danfoss Corporation
IAD056736184
2800 E 13th Street Ames, IA 50010
January 6-7, 2008
Civil Investigator Glenn Cherry
Exterior of Sauer-Danfoss looking to the south. The GPS reading was taken just to the left of the pile of snow
Photo 15 of 17

ATTACHMENT 38 Page 15 of 17

Sauer-Danfoss Corporation
IAD056736184
2800 E 13th Street Ames, IA 50010
January 6-7, 2008
Civil Investigator Glenn Cherry
Site identification photo
Photo 16 of 17

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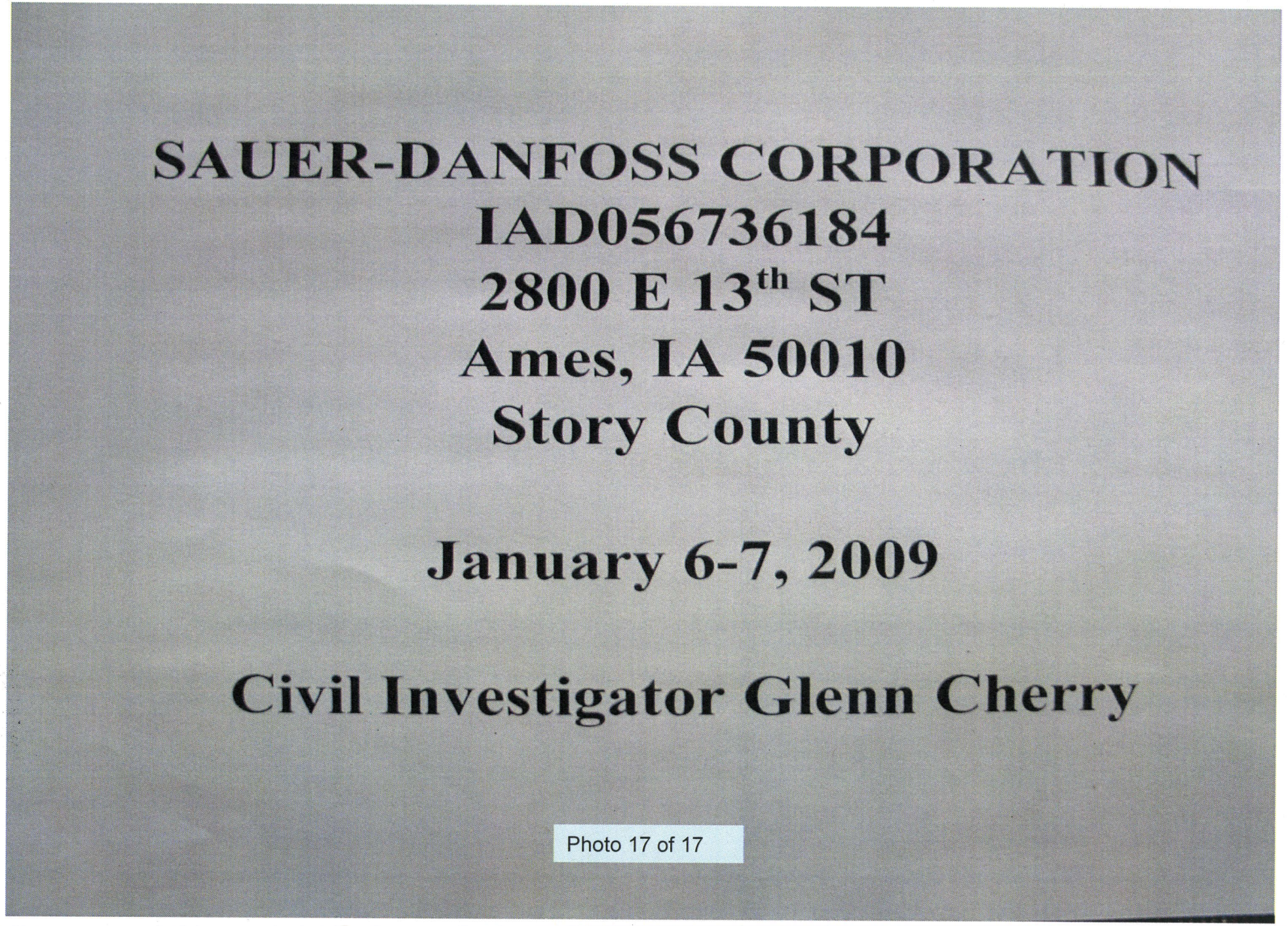


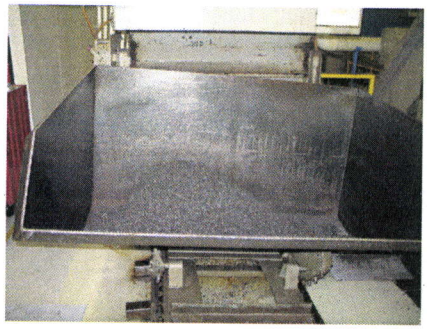
Photo 17 of 17

ATTACHMENT 28 Page 17 of 17

SAUER-DANFOSS CORPORATION
IAD056736184
2800 E 13th ST
Ames, IA 50010
Story County

January 6-7, 2009

Civil Investigator Glenn Cherry



File name:	IMG_1757.JPG
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Device Name:	Canon PowerShot G6
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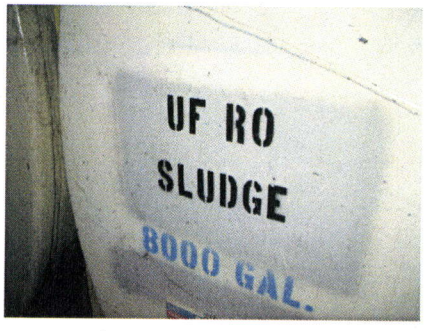
Exposure Time:	1/80
F Number:	3.2
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	Off

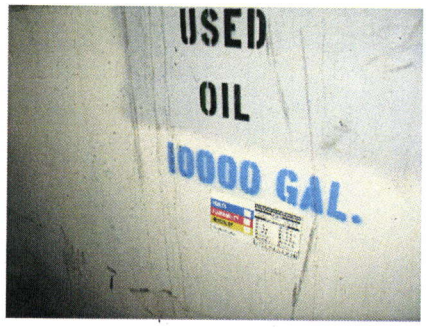
File name:	IMG_1758.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2009:01:06 16:16:17
Exposure Time:	1/60
F Number:	2.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	On

File name:	IMG_1759.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2009:01:06 16:30:38
Exposure Time:	1/60
F Number:	2.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	On

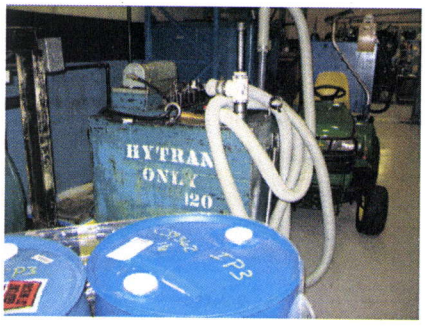
File name:	IMG_1760.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2009:01:06 16:32:14
Exposure Time:	1/60
F Number:	2.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	On



File name:	IMG_1761.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2009:01:06 16:39:04
Exposure Time:	1/60
F Number:	2.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	On

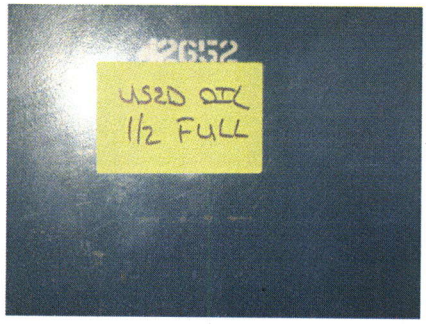


File name:	IMG_1762.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2009:01:06 16:39:22
Exposure Time:	1/60
F Number:	2.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	On



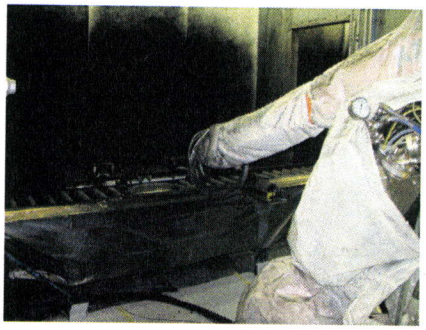
File name:	IMG_1763.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2009:01:06 17:04:33
Exposure Time:	1/60
F Number:	2.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	On

File name:	IMG_1764.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2009:01:06 17:04:53
Exposure Time:	1/60
F Number:	2.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	On

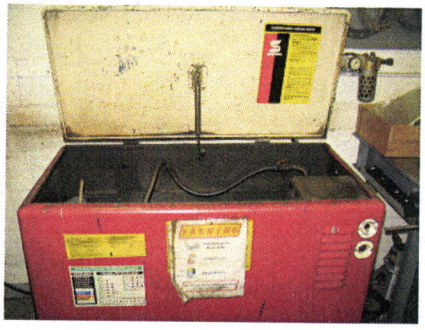


File name:	IMG_1765.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2009:01:06 17:05:11
Exposure Time:	1/60
F Number:	2.8
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	On

File name:	IMG_1766.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2009:01:06 17:11:52
Exposure Time:	1/60
F Number:	2.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	On



File name:	IMG_1767.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2009:01:06 17:12:10
Exposure Time:	1/60
F Number:	2.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	On



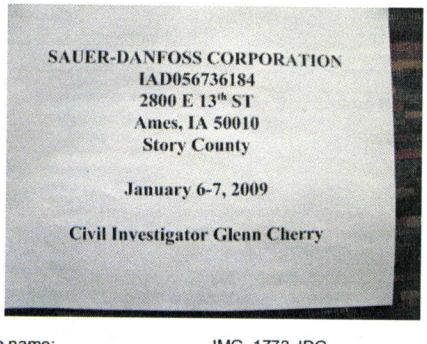
File name:	IMG_1768.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2009:01:07 12:34:12
Exposure Time:	1/60
F Number:	2.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	On

File name:	IMG_1769.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2009:01:07 12:46:29
Exposure Time:	1/60
F Number:	2.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	On

File name:	IMG_1770.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2009:01:07 12:48:00
Exposure Time:	1/60
F Number:	2.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	On

File name:	IMG_1771.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2009:01:07 13:06:13
Exposure Time:	1/500
F Number:	4.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	Off

File name:	IMG_1772.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2009:01:07 13:08:59
Exposure Time:	1/800
F Number:	4.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	Off



File name:	IMG_1773.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2009:01:07 13:35:27
Exposure Time:	1/25
F Number:	2.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	Off